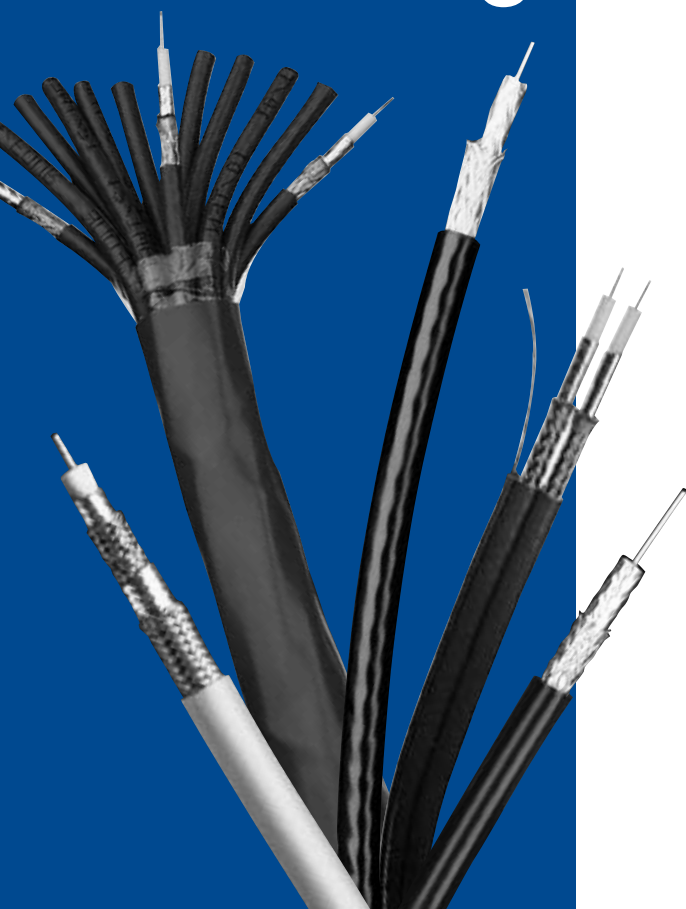


Coaxial Cables



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## Introduction

Compare Belden® Coaxial cables and the companies who produce them and you will discover the obvious: Belden has no equal. That's because Belden Coaxial cables are time-tested for performance. Performance that guarantees outstanding value. Belden guarantees this level of performance because every cable is tested with equipment that simulates every known environmental and electrical performance condition. As a result, Belden Coaxial cable can be counted on for positive, reliable and trouble-free operation.

Belden Coaxial cables are engineered in a wide selection of sizes and materials, with each offering the benefits needed for physical, electrical and cost-requirement applications. Cable choices include broadband, standard analog, precision video for analog and digital, bundled RGB, high-flex S-Video, video triax, conformable coax and more.

Most of our Coax cables are available from stock. Many of these are available off the shelf from distributors. If you have a new or unusual application or you cannot find a Coax cable in this catalog section that meets your technical requirements, contact Technical Support at 1-800-BELDEN-1.

### Coax Cable Shielding

Belden's line of coaxial cable features a wide range of shielding configurations. Among the options are:

#### Duofoil®

Duofoil is a shield in which metallic foil is applied to both sides of a supporting polyester or polypropylene film.

#### Duobond®

Duobond is essentially the same construction as Duofoil (a laminated shielding tape consisting of aluminum foil/plastic film/aluminum foil), but with an extra layer of heat-sensitive adhesive bonding the foil shield to the dielectric core. This foil shield provides 100% coverage and insures maximum shield protection.

#### Duobond II (Foil/Braid)

Combines all the features of Duobond with an outer braid applied for greater protection against interference and to increase the overall tensile strength.

#### Duobond III (Tri-Shield)

Duobond III utilizes the Duobond II design (foil/braid) plus an additional surrounding layer of Duofoil. This extra layer of foil improves shield reliability and provides an additional interference barrier.

#### Duobond IV (Quad Shield)

Duobond IV adds a second layer of braid to the Tri-Shield design (foil/braid/foil/braid). This extra layer of braid shield provides improved strength and durability.

#### Duobond Plus®

Features the same foil/braid/foil construction as Duobond II but with the addition of a shorting fold in the outermost foil. This fold prevents a slot opening from being created in the shield, thereby preventing signal egress or ingress. This unique feature creates the effect of a solid metal conduit, which improves the high-frequency performance of the cable. (See the Technical Information section of this catalog for a more detailed explanation of "shorting folds.")

### Coax Cable Packaging

As with most Belden cables, several Coax cable products are available in Belden's UnReel® cardboard dispenser. The UnReel is a unique packaging dispensing system developed by Belden to save time, cut costs and labor, and eliminate the need for dereeling equipment. Lightweight and more economical than conventional drums or reels, UnReel dispensers have pre-punched handles for easy, individual transport as well as rectangular boxes for easy pallet delivery and storage. UnReel cable pays out smoothly and evenly with no kinking, twisting, or backlashing. It also rolls out 60% faster than conventionally packaged cable.

### Corresponding Literature

#### Technical Bulletins

TB-65: *Digital Studio Cable Guide*

# RG Coaxial and Triaxial Reference Guide

## DS-3 and DS-4 Interconnect and Cross-Connect Cables and Low Loss 50 Ohm Wireless RF Transmission Cables

| Cable Designation   | Part No.      | Page No. | Spec. Reference | Conductor Stranding/<br>Dia. & Type*<br>(DCR/1000 Ft.) | Insulation Material<br>(OD in.) | Shield Type<br>Tape/Braid<br>(DCR/1000 Ft.)                       | Jacket Material<br>(OD in.) | Nom. Weight<br>(Lbs./Ft.) | Nom. Imp.<br>(Ω) | Nom. Cap.<br>(pF/Ft.) | Suggested Operating Temp. Range<br>(°C) UL | Max. Oper. Voltage<br>(RMS)<br>Non UL |
|---|---------------|----------|-----------------|--|---------------------------------|---|-----------------------------|---------------------------|------------------|-----------------------|--|---------------------------------------|
| <b>DS-3 and DS-4 Interconnect and Cross-connect Cable</b> |               |          |                 |  |                                 |   |                             |                           |                  |                       |  |                                       |
| 728A Type   | <b>9231</b>   | 6.58     | Belden          | 1/.031" BC<br>(9.9)                                    | PE<br>(.198)                    | Inner<br>None/98% SPC<br>(187.0)<br>Outer<br>None/95% BC<br>(1.1) | PVC-NC<br>(.305)            | .071                      | 75               | 21.0                  | -40 to +60                                 | 1900                                  |
| 734A Type DS3-4   | <b>734A1</b>  | 6.56     | Belden          | 1/.032" BC<br>(10.0)                                   | GIFHDPE<br>(.148)               | BF/85% TC<br>(2.4)  | PVC<br>(.235)               | .031                      | 75               | 16.8                  | -40 to +75                                 | 300                                   |
| 734A Type DS3-4 Bundled 12-Coax                           | <b>734A12</b> | 6.56     | Belden          | 1/.032" BC<br>(10.0)                                   | GIFHDPE<br>(.148)               | BF/85% TC<br>(2.4)  | PVC<br>(1.026)              | .484                      | 75               | 16.8                  | -40 to +75                                 | 300                                   |
| 734A Type DS3-4 Plenum                                    | <b>734A1P</b> | 6.56     | Belden          | 1/.032" BC<br>(10.0)                                   | FFEP<br>(.148)                  | BF/85% TC<br>(2.4)  | FLM<br>(.215)               | .032                      | 75               | 17.3                  | 0 to +75                                   | 300                                   |
| 734A Type DS3-4 Bundled 6-Coax                            | <b>734A6</b>  | 6.56     | Belden          | 1/.032" BC<br>(10.0)                                   | GIFHDPE<br>(.148)               | BF/85% TC<br>(2.4)  | PVC<br>(.772)               | .250                      | 75               | 16.8                  | -45 to +75                                 | 300                                   |
| 734D Type DS3-4   | <b>734D1</b>  | 6.57     | Belden          | 1/.032" SPC<br>(10.0)                                  | GIFHDPE<br>(.148)               | BF/85% TC<br>(2.4)  | PVC<br>(.235)               | .031                      | 75               | 16.8                  | -40 to +75                                 | 300                                   |
| 734D Type DS3-4 Bundled 12-Coax                           | <b>734D12</b> | 6.57     | Belden          | 1/.032" SPC<br>(10.0)                                  | GIFHDPE<br>(.148)               | BF/85% TC<br>(2.4)  | PVC<br>(1.026)              | .484                      | 75               | 16.8                  | -40 to +75                                 | 300                                   |
| 734D Type DS3-4 Plenum                                    | <b>734D1P</b> | 6.57     | Belden          | 1/.032" SPC<br>(10.0)                                  | FFEP<br>(.148)                  | BF/85% TC<br>(2.4)  | FLM<br>(.215)               | .032                      | 75               | 17.3                  | 0 to +75                                   | 300                                   |
| 734D Type DS3-4 1-Coax with Tracer                        | <b>734D1T</b> | 6.57     | Belden          | 1/.032" SPC<br>(10.0)                                  | GIFHDPE<br>(.148)               | BF/85% TC<br>(2.4)  | PVC<br>(.235 x .309)        | .034                      | 75               | 16.8                  | -40 to +75                                 | 300                                   |
| 734D Type DS3-4 Dual Coax                                 | <b>734D2</b>  | 6.57     | Belden          | 1/.032" SPC<br>(10.0)                                  | GIFHDPE<br>(.148)               | BF/85% TC<br>(2.4)  | PVC<br>(.235 x .485)        | .061                      | 75               | 16.8                  | -40 to +75                                 | 300                                   |
| 734D Type DS3-4 2-Coax with Tracer                        | <b>734D2T</b> | 6.57     | Belden          | 1/.032" SPC<br>(10.0)                                  | GIFHDPE<br>(.148)               | BF/85% TC<br>(2.4)  | PVC<br>(.235 x .574)        | .068                      | 75               | 16.8                  | -40 to +75                                 | 300                                   |
| 734D Type DS3-4 Bundled 6-Coax                            | <b>734D6</b>  | 6.57     | Belden          | 1/.032" SPC<br>(10.0)                                  | GIFHDPE<br>(.148)               | BF/85% TC<br>(2.4)  | PVC<br>(.772)               | .250                      | 75               | 16.8                  | -40 to +75                                 | 300                                   |
| 735A Type DS3-4   | <b>735A1</b>  | 6.55     | Belden          | 1/.0159" SPC<br>(41.0)                                 | FHDPE<br>(.077)                 | BF/93% TC<br>(5.3)  | PVC<br>(.129)               | .011                      | 75               | 17.7                  | -40 to +75                                 | 300                                   |
| 735A Type DS3-4 Bundled 12-Coax                           | <b>735A12</b> | 6.55     | Belden          | 1/.016" SPC<br>(41.0)                                  | FHDPE<br>(.077)                 | BF/93% TC<br>(5.3)  | PVC<br>(.581)               | .171                      | 75               | 17.7                  | -40 to +75                                 | 300                                   |
| 735A Type DS3-4 Bundled 16-Coax                           | <b>735A16</b> | 6.55     | Belden          | 1/.016" SPC<br>(41.0)                                  | FHDPE<br>(.077)                 | BF/93% TC<br>(5.3)  | PVC<br>(.636)               | .226                      | 75               | 17.7                  | -40 to +75                                 | 300                                   |
| 735A Type DS3-4 Plenum                                    | <b>735A1P</b> | 6.55     | Belden          | 1/.016" SPC<br>(41.0)                                  | FFEP<br>(.077)                  | BF/93% TC<br>(5.3)  | FLM<br>(.129)               | .018                      | 75               | 17.7                  | 0 to +75                                   | 300                                   |
| 735A Type DS3-4 1-Coax with Tracer                        | <b>735A1T</b> | 6.55     | Belden          | 1/.016" SPC<br>(41.0)                                  | FHDPE<br>(.077)                 | BF/93% TC<br>(5.3)  | PVC<br>(.129 x .203)        | .013                      | 75               | 17.7                  | -40 to +75                                 | 300                                   |
| 735A Type DS3-4 2-Coax with Tracer                        | <b>73502T</b> | 6.55     | Belden          | 1/.017" SPC<br>(41.0)                                  | FHDPE<br>(.077)                 | BF/93% TC<br>(5.3)  | PVC<br>(.179 x .308)        | .040                      | 75               | 17.7                  | -40 to +75                                 | 300                                   |
| 735A Type DS3-4 Dual Coax                                 | <b>735A2</b>  | 6.55     | Belden          | 1/.016" SPC<br>(41.0)                                  | FHDPE<br>(.077)                 | BF/93% TC<br>(5.3)  | PVC<br>(.129 x .258)        | .022                      | 75               | 17.7                  | -40 to +75                                 | 300                                   |
| 735A Type DS3-4 Bundled 24-Coax                           | <b>735A24</b> | 6.55     | Belden          | 1/.016" SPC<br>(41.0)                                  | FHDPE<br>(.077)                 | BF/93% TC<br>(5.3)  | PVC<br>(.870)               | .364                      | 75               | 17.7                  | -40 to +75                                 | 300                                   |
| 735A Type DS3-4 Bundled 3-Coax                            | <b>735A3</b>  | 6.55     | Belden          | 1/.016" SPC<br>(41.0)                                  | FHDPE<br>(.077)                 | BF/93% TC<br>(5.3)  | PVC<br>(.309)               | .045                      | 75               | 17.7                  | -40 to +75                                 | 300                                   |
| 735A Type DS3-4 Bundled 6-Coax                            | <b>735A6</b>  | 6.55     | Belden          | 1/.016" SPC<br>(41.0)                                  | FHDPE<br>(.077)                 | BF/93% TC<br>(5.3)  | PVC<br>(.399)               | .083                      | 75               | 17.7                  | -40 to +75                                 | 300                                   |
| 735A Type DS3-4 Bundled 8-Coax                            | <b>735A8</b>  | 6.55     | Belden          | 1/.016" SPC<br>(41.0)                                  | FHDPE<br>(.077)                 | BF/93% TC<br>(5.3)  | PVC<br>(.447)               | .111                      | 75               | 17.7                  | -40 to +75                                 | 300                                   |
| 735A Type DS3-4 Bundled 9-Coax                            | <b>735A9</b>  | 6.55     | Belden          | 1/.016" SPC<br>(41.0)                                  | FHDPE<br>(.077)                 | BF/93% TC<br>(5.3)  | PVC<br>(.484)               | .122                      | 75               | 17.7                  | -40 to +75                                 | 300                                   |
| <b>Low Loss 50 Ohm Wireless RF Transmission Cables</b>    |               |          |                 |  |                                 |   |                             |                           |                  |                       |  |                                       |
| RF300   | <b>7809A</b>  | 6.62     | Belden          | 1/.072" BC<br>(2.1)                                    | GIFHDPE<br>(.190)               | DB/95% TC<br>(2.4)  | PE<br>(.300)                | .046                      | 50               | 23.0                  | -40 to +75                                 | 300                                   |
| RF300 Riser   | <b>7809R</b>  | 6.62     | Belden          | 1/.072" BC<br>(2.1)                                    | GIFHDPE<br>(.190)               | DB/95% TC<br>(2.4)  | PVC<br>(.300)               | .046                      | 50               | 23.0                  | -40 to +75                                 | 300                                   |
| RF300 Burial  | <b>7809WB</b> | 6.62     | Belden          | 1/.072" BC<br>(2.1)                                    | GIFHDPE<br>(.190)               | DB/95% TC<br>(2.4)  | PE<br>(.300)                | .046                      | 50               | 23.0                  | -40 to +75                                 | 300                                   |
| RG-174/U Type RF100A                                      | <b>7805</b>   | 6.59     | Belden          | 1/.018" BC<br>(3.2)                                    | PE<br>(.061)                    | BF/90% TC<br>(9.1)  | PVC<br>(.110)               | .009                      | 50               | 31.2                  | -40 to +75                                 | 1,100                                 |
| RG-174/U Type RF100LL                                     | <b>7805R</b>  | 6.59     | Belden          | 1/.020" BC<br>(27.3)                                   | FHDPE<br>(.060)                 | BF/93% TC<br>(9.3)  | PVC<br>(.110)               | .010                      | 50               | 26.2                  | -40 to +75                                 | 300                                   |

\*Inner conductors are entered as: number of strands/strand diameter (in inches).

See page 6.15 for key to abbreviations used in this table.



# RG Coaxial and Triaxial Reference Guide

## Low Loss 50 Ohm Wireless RF Transmission Cables and Microwave Conformable® Coax

| Cable Designation   | Part No. | Page No. | Spec. Reference | Conductor Stranding/Dia. & Type* (DCR/1000 Ft.) | Insulation Material (OD in.) | Shield Type Tape/Braid (DCR/1000 Ft.) | Jacket Material (OD in.) | Nom. Weight (Lbs./Ft.) | Nom. Imp. (Ω) | Nom. Cap. (pF/Ft.) | Suggested Operating Temp. Range (°C) UL | Max. Oper. Voltage (RMS) Non UL |
|---|----------|----------|-----------------|---|------------------------------|---------------------------------------|--------------------------|------------------------|---------------|--------------------|---|---------------------------------|
| <b>Low Loss 50 Ohm Wireless RF Transmission Cables</b> <i>(continued)</i> |          |          |                 |   |                              |                                       |                          |                        |               |                    |   |                                 |
| RG-58/U Type RF195  | 7806A    | 6.60     | Belden          | 1/.037" BC (7.6)                                | GIFPE (.110)                 | DF/90% TC (4.2)                       | PE (.195)                | .022                   | 50            | 24.3               | -40 to +75                              | 300                             |
| RG-58/U Type RF195 Riser  | 7806R    | 6.60     | Belden          | 1/.037" BC (7.6)                                | GIFPE (.110)                 | DF/90% TC (4.2)                       | PVC (.195)               | .026                   | 50            | 24.3               | -40 to +75                              | 300                             |
| RG-58/U Type RF200  | 7807A    | 6.60     | Belden          | 1/.044" BC (3.3)                                | GIFPE (.116)                 | DF/95% TC (4.2)                       | PE (.195)                | .026                   | 50            | 23.5               | -40 to +75                              | 300                             |
| RG-58/U Type RF200 Riser  | 7807R    | 6.60     | Belden          | 1/.044" BC (3.3)                                | GIFPE (.116)                 | DF/95% TC (4.2)                       | PVC (.195)               | .029                   | 50            | 23.5               | -40 to +75                              | 300                             |
| RG-8/X Type RF240   | 7808A    | 6.61     | Belden          | 1/.057" BC (3.2)                                | GIFPE (.150)                 | DB/95% TC (3.5)                       | PE (.240)                | .036                   | 50            | 23.0               | -40 to +75                              | 300                             |
| RG-8/X Type RF240 Riser   | 7808R    | 6.61     | Belden          | 1/.057" BC (3.2)                                | GIFPE (.150)                 | DB/95% TC (3.5)                       | PVC (.240)               | .040                   | 50            | 23.0               | -40 to +75                              | 300                             |
| RG-8/X Type RF240 Burial  | 7808WB   | 6.61     | Belden          | 1/.057" BC (3.2)                                | GIFPE (.150)                 | DB/95% TC (3.5)                       | PE (.240)                | .036                   | 50            | 23.0               | -40 to +75                              | 300                             |
| RF300   | 7809A    | 6.62     | Belden          | 1/.072" BC (2.0)                                | GIFPE (.190)                 | DB/95% TC (2.7)                       | PE (.300)                | .046                   | 50            | 23.0               | -40 to +75                              | 300                             |
| RF300R Riser  | 7809R    | 6.62     | Belden          | 1/.072" BC (2.0)                                | GIFPE (.190)                 | DB/95% TC (2.7)                       | PVC (.300)               | .053                   | 50            | 23.0               | -40 to +75                              | 300                             |
| RF300WB Burial  | 7809WB   | 6.62     | Belden          | 1/.072" BC (2.0)                                | GIFPE (.190)                 | DB/95% TC (2.7)                       | PE (.300)                | .046                   | 50            | 23.0               | -40 to +75                              | 300                             |
| RG-8/U Type RF400   | 7810A    | 6.63     | Belden          | 1/.108" BCCA (1.3)                              | GIFPE (.285)                 | DB/95% TC (1.8)                       | PE (.405)                | .077                   | 50            | 23.0               | -40 to +75                              | 300                             |
| RG-8/U Type RF400 Riser   | 7810R    | 6.63     | Belden          | 1/.108" BCCA (1.3)                              | GIFPE (.285)                 | DB/95% TC (1.8)                       | PVC (.405)               | .087                   | 50            | 23.0               | -40 to +75                              | 300                             |
| RG-8/U Type RF400 Burial  | 7810WB   | 6.63     | Belden          | 1/.108" BCCA (1.3)                              | GIFPE (.285)                 | DB/95% TC (1.8)                       | PE (.405)                | .077                   | 50            | 23.0               | -40 to +75                              | 300                             |
| RF500 Aerial  | 7976A    | 6.64     | Belden          | 1/.142" BCCA (.8)                               | FHDPE (.370)                 | DBII/90% TC (1.6)                     | PE (.500)                | .120                   | 50            | 25.1               | -40 to +80                              | 300                             |
| RF500 Aerial  | 7976R    | 6.64     | Belden          | 1/.142" BCCA (.8)                               | FHDPE (.370)                 | DBII/90% TC (1.6)                     | PVC (.500)               | .120                   | 50            | 25.1               | -40 to +80                              | 300                             |
| RF500 Aerial  | 7976WB   | 6.64     | Belden          | 1/.142" BCCA (.8)                               | FHDPE (.370)                 | DBII/90% TC (1.6)                     | PE (.500)                | .120                   | 50            | 25.1               | -40 to +80                              | 300                             |
| RF600 Aerial  | 7977A    | 6.65     | Belden          | 1/.176" BCCA (.5)                               | FHDPE (.455)                 | DBII/85% TC (1.8)                     | PE (.590)                | .163                   | 50            | 24.6               | -40 to +80                              | 300                             |
| RF600 Aerial  | 7977R    | 6.65     | Belden          | 1/.176" BCCA (.5)                               | FHDPE (.455)                 | DBII/85% TC (1.8)                     | PVC (.590)               | .163                   | 50            | 24.6               | -40 to +80                              | 300                             |
| RF600 Aerial  | 7977WB   | 6.65     | Belden          | 1/.176" BCCA (.5)                               | FHDPE (.455)                 | DBII/85% TC (1.8)                     | PE (.590)                | .163                   | 50            | 24.6               | -40 to +80                              | 300                             |
| <b>Microwave Conformable Coax</b>   |          |          |                 |   |                              |                                       |                          |                        |               |                    |   |                                 |
| RG-401/U Type Conformable   | 1675A    | 6.73     | Belden          | 1/.065" SPCCS (2.5)                             | TFE (.210)                   | CT (8.0)                              | None (.246)              | .081                   | 50            | 29.6               | -70 to +200                             | 3,000                           |
| RG-402/U Type Conformable   | 1673A    | 6.73     | Belden          | 1/.036" SPCCS (20.5)                            | TFE (.116)                   | CT (4.5)                              | None (.138)              | .020                   | 50            | 29.5               | -70 to +200                             | 1,900                           |
| RG-402/U Type Conformable   | 1673B    | 6.73     | Belden          | 1/.036" SPC (7.9)                               | TFE (.116)                   | CT (4.5)                              | None (.138)              | .020                   | 50            | 29.5               | -70 to +200                             | 1,900                           |
| RG-402/U Type Conformable Jacketed  | 1673J    | 6.73     | Belden          | 1/.036" SPCCS (20.5)                            | TFE (.116)                   | CT (4.5)                              | PVC (.178)               | .020                   | 50            | 29.5               | -40 to +105                             | 1,900                           |
| RG-405/U Type Conformable   | 1671A    | 6.72     | Belden          | 1/.020" SPCCS (64.2)                            | TFE (.062)                   | CT (10.2)                             | None (.085)              | .012                   | 50            | 29.5               | -70 to +200                             | 1,500                           |
| RG-405/U Type Conformable   | 1671B    | 6.72     | Belden          | 1/.020" SPC (25.7)                              | TFE (.062)                   | CT (10.2)                             | None (.085)              | .012                   | 50            | 29.5               | -70 to +200                             | 1,500                           |
| RG-405/U Type Conformable Jacketed  | 1671J    | 6.72     | Belden          | 1/.020" SPCCS (64.2)                            | TFE (.062)                   | CT (10.2)                             | PVC (.127)               | .016                   | 50            | 29.5               | -40 to +105                             | 1,500                           |
| M17/151 Type Conformable  | 1674A    | 6.72     | Belden          | 1/.011" SPCCS (205.0)                           | TFE (.034)                   | CT (8.0)                              | None (.047)              | .004                   | 50            | 29.5               | -70 to +200                             | 1,000                           |
| M17/151 Type Conformable  | 1674B    | 6.72     | Belden          | 1/.011" SPCCS (81.2)                            | TFE (.034)                   | CT (8.0)                              | None (.047)              | .004                   | 50            | 29.5               | -70 to +200                             | 1,000                           |
| 75 Ohm Conformable  | 1672A    | 6.74     | Belden          | 1/.011" SCSS (205.0)                            | TFE (.062)                   | CT (10.0)                             | None (.087)              | .012                   | 75            | 19.5               | -70 to +200                             | 1500                            |
| 75 Ohm Conformable  | 1672B    | 6.74     | Belden          | 1/.011" SPC (11.0)                              | TFE (.062)                   | CT (10.0)                             | None (.087)              | .012                   | 75            | 19.5               | -70 to +200                             | 1500                            |
| 75 Ohm Conformable Jacketed   | 1672J    | 6.74     | Belden          | 1/.011" SCSS (205.0)                            | TFE (.062)                   | CT (10.0)                             | PVC (.127)               | .016                   | 75            | 19.5               | -40 to +105                             | 1500                            |

\*Inner conductors are entered as: number of strands/strand diameter (in inches).

See page 6.15 for key to abbreviations used in this table.



# RG Coaxial and Triaxial Reference Guide

## Microwave Conformable® Coax and RG-6 Type

| Cable Designation                   | Part No. | Page No. | Spec. Reference        | Conductor Stranding/<br>Dia. & Type*<br>(DCR/1000 Ft.) | Insulation Material<br>(OD in.) | Shield Type<br>Tape/Braid<br>(DCR/1000 Ft.) | Jacket Material<br>(OD in.) | Nom. Weight<br>(Lbs./Ft.) | Nom. Imp.<br>(Ω) | Nom. Cap.<br>(pF/Ft.) | Suggested Operating<br>Temp. Range<br>(°C) UL | Max. Oper. Voltage<br>(RMS)<br>Non UL |
|-------------------------------------|----------|----------|------------------------|--|---------------------------------|---|-----------------------------|---------------------------|------------------|-----------------------|---|---------------------------------------|
| <b>RG-6 Type</b>                    |          |          |                        |  |                                 |   |                             |                           |                  |                       |   |                                       |
| RG-6/U Type Plenum                  | 1152A    | 6.25     | Belden, IBM P/N1501919 | 1/.040" BCCS (28.0)                                    | FFEP (.170)                     | DF/60% TC DF/40% TC (1.8)                   | FEP (.273)                  | .048                      | 75               | 16.5                  | -70 to +200                                   | 300                                   |
| RG-6/U Type                         | 1189A    | 6.24     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBIV, 60% AL 40% AL (4.8)                   | PVC (.298)                  | .032                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type Plenum                  | 1189AP   | 6.24     | Belden                 | 1/.040" BCCS (28.0)                                    | FFEP (.170)                     | DBIV/60% AL 40% AL (4.8)                    | FLM (.248)                  | .039                      | 75               | 16.3                  | -20 to +75                                    | 300                                   |
| RG-6/U Type Burial                  | 1190A    | 6.25     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBIV/60% AL 40% AL (4.8)                    | PE (.298)                   | .029                      | 75               | 16.2                  | -55 to +80                                    | 300                                   |
| RG-6/U Type Messengered             | 1191AM   | 6.24     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBIV/60% AL 40% AL (4.8)                    | PVC (.298 x .433)           | .040                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type Messengered             | 1258AM   | 6.19     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PVC (.270 x .410)           | .042                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type Messengered             | 1260AM   | 6.23     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DB+/77% AL (5.6)                            | PVC (.275 x .416)           | .042                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type                         | 1322R    | 6.24     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBIV/60% AL 40% AL (4.8)                    | PVC (.298)                  | .035                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type Composite (w/PowerPair) | 1360SB   | 6.39     | Belden                 | 1/.040" BC (6.4)                                       | FFEP (.180)                     | 95% BC (3.1)                                | LSZH (.275 x .514)          | .076                      | 75               | 16.3                  | -30 to +75                                    | 300                                   |
| RG-6/U Type                         | 1530A    | 6.20     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/90% AL (5.0)                           | PVC (.270)                  | .029                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type Plenum                  | 1530AP   | 6.20     | Belden                 | 1/.040" BCCS (28.0)                                    | FFEP (.170)                     | DBII/90% AL (5.0)                           | FLM (.235)                  | .027                      | 75               | 16.3                  | -20 to +75                                    | 300                                   |
| RG-6/U Type Messengered             | 1531AM   | 6.20     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/90% AL (5.0)                           | PVC (.270 x .410)           | .044                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type Burial                  | 1532A    | 6.20     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/90% AL (5.0)                           | PE (.270)                   | .024                      | 75               | 16.2                  | -55 to +80                                    | 300                                   |
| RG-6/U Type                         | 1545A    | 6.19     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PVC (.270)                  | .030                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type                         | 1546A    | 6.21     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBIII/60% AL (6.5)                          | PVC (.278)                  | .029                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type                         | 1613A    | 6.22     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBIII/77% AL (5.6)                          | PVC (.278)                  | .030                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type Burial                  | 1614A    | 6.22     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBIII/77% AL (5.6)                          | PE (.275)                   | .024                      | 75               | 16.2                  | -55 to +80                                    | 300                                   |
| RG-6/U Type Messengered             | 1615AM   | 6.22     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBIII/77% AL (5.6)                          | PVC (.275 x .416)           | .043                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type Messengered             | 1616AM   | 6.22     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBIII/77% AL (5.6)                          | PVC (.275 x .416)           | .045                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type Digital Video           | 1694A    | 6.44     | Belden                 | 1/.040" BC (6.4)                                       | GIFHDPE (.180)                  | DF/95% TC (2.8)                             | PVC (.275)                  | .040                      | 75               | 16.2                  | -20 to +75                                    | 300                                   |
| RG-6/U Type Digital Video           | 1694SB   | 6.44     | Belden                 | 1/.040" BC (6.4)                                       | FFEP (.170)                     | DF/95% TC (2.8)                             | FLM (.234)                  | .045                      | 75               | 16.2                  | -30 to +75                                    | 300                                   |
| RG-6/U Type Plenum                  | 1695A    | 6.44     | Belden                 | 1/.040" BC (6.4)                                       | FFEP (.170)                     | DF/95% TC (2.8)                             | FLM (.234)                  | .033                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type                         | 1829A    | 6.31     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PVC (.270)                  | .030                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type                         | 1829AC   | 6.31     | Belden                 | 1/.040" BCAC (6.4)                                     | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PVC (.270)                  | .030                      | 75               | 16.2                  | -30 to +75                                    | 300                                   |
| RG-6/U Type Burial                  | 1829B    | 6.31     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PE (.270)                   | .024                      | 75               | 16.2                  | -55 to +80                                    | 300                                   |
| RG-6/U Type Burial                  | 1829BC   | 6.31     | Belden                 | 1/.040" BCAC (6.4)                                     | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PE (.270)                   | .024                      | 75               | 16.2                  | -55 to +80                                    | 300                                   |
| RG-6/U Type Plenum                  | 1829P    | 6.31     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/60% AL (9.0)                           | FLM (.235)                  | .027                      | 75               | 16.3                  | -20 to +75                                    | 300                                   |
| RG-6/U Type                         | 1829R    | 6.31     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PVC (.270)                  | .029                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type Burial                  | 1837A    | 6.21     | Belden                 | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBIII/60% AL (6.5)                          | PE (.275)                   | .024                      | 75               | 16.2                  | -55 to +80                                    | 300                                   |

\*Inner conductors are entered as: number of strands/strand diameter (in inches).

See page 6.15 for key to abbreviations used in this table.



# RG Coaxial and Triaxial Reference Guide

## RG-6 Type

| Cable Designation            | Part No.      | Page No. | Spec. Reference | Conductor Stranding/<br>Dia. & Type*<br>(DCR/1000 Ft.) | Insulation Material<br>(OD in.) | Shield Type<br>Tape/Braid<br>(DCR/1000 Ft.) | Jacket Material<br>(OD in.) | Nom. Weight<br>(Lbs./Ft.) | Nom. Imp.<br>(Ω) | Nom. Cap.<br>(pF/Ft.) | Suggested Operating<br>Temp. Range<br>(°C) UL | Max. Oper. Voltage<br>(RMS)<br>Non UL |
|------------------------------|---------------|----------|-----------------|--|---------------------------------|---|-----------------------------|---------------------------|------------------|-----------------------|---|---------------------------------------|
| <b>RG-6 Type (continued)</b> |               |          |                 |  |                                 |   |                             |                           |                  |                       |   |                                       |
| RG-6/U Type Static Ground    | <b>1839A</b>  | 6.32     | Belden          | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PVC (.270 x .405)           | .040                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type Static Ground    | <b>1839AC</b> | 6.32     | Belden          | 1/.040" BCAC (6.4)                                     | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PVC (.270 x .405)           | .040                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type Static Ground    | <b>1840A</b>  | 6.32     | Belden          | 2/.040" BCAC (28.0)                                    | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PVC (.273 x .703)           | .069                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type Static Ground    | <b>1840AC</b> | 6.32     | Belden          | 2/.040" BC (6.4)                                       | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PVC (.273 x .703)           | .069                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type                  | <b>1841A</b>  | 6.32     | Belden          | 2/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PVC (.273 x .595)           | .058                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type                  | <b>1841AC</b> | 6.32     | Belden          | 2/.040" BCAC (6.4)                                     | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PVC (.273 x .595)           | .058                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type Burial           | <b>1843A</b>  | 6.33     | Belden          | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PE (.273 x .750)            | .052                      | 75               | 16.2                  | -55 to +80                                    | 300                                   |
| RG-6/U Type                  | <b>3131A</b>  | 6.84     | Belden          | 1/.040" BCCS (28.0)                                    | FPE (.180)                      | DBIV/67% AL 46% AL (3.6)                    | PVC (.300)                  | .033                      | 75               | 16.2                  | -30 to +75                                    | 3000                                  |
| RG-6/U Type                  | <b>3132A</b>  | 6.84     | Belden          | 1/.040" BCCS (28.0)                                    | FFPE (.170)                     | DBIV/67% AL 46% AL (7.2)                    | PVDF (.274)                 | .043                      | 75               | 16.3                  | -20 to +150                                   | 300                                   |
| RG-6/U Type                  | <b>5339G5</b> | 6.21     | Belden          | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | BB/50% AL (15.0)                            | PVC (.253)                  | .024                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type                  | <b>7915A</b>  | 6.33     | Belden          | 1/.040" BC (6.4)                                       | GIFPE (.180)                    | DB+/77% AL (4.6)                            | PVC (.275)                  | .029                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type                  | <b>7916A</b>  | 6.33     | Belden          | 1/.040" BC (6.4)                                       | GIFPE (.180)                    | DBIV/60% AL 40% AL (4.8)                    | PVC (.298)                  | .032                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type                  | <b>8215</b>   | 6.38     | Belden          | 1/.028" BCCS (32.0)                                    | PE (.185)                       | None/96% BC None/95% BC (1.1)               | PE (.332)                   | .069                      | 75               | 20.5                  | -55 to +80                                    | 2,700                                 |
| RG-6/U Type                  | <b>8238</b>   | 6.39     | JAN-C-17A       | 7/.048" TC (6.1)                                       | FRSFPE (.285)                   | None/97% BC (1.2)                           | PVC (.405)                  | .117                      | 75               | 20.5                  | -40 to +80                                    | 300                                   |
| RG-6/U Type                  | <b>8261</b>   | 6.39     | MIL-C-17D       | 7/.048" TC (6.1)                                       | PE (.285)                       | None/97% BC (1.2)                           | PVC (.405)                  | .104                      | 75               | 20.5                  | -40 to +60                                    | 3,700                                 |
| RG-6/U Type                  | <b>9058</b>   | 6.23     | Belden          | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DB+/77% AL (5.6)                            | PVC (.275)                  | .029                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type Messengered      | <b>9058M</b>  | 6.23     | Belden          | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DB+/77% AL (5.6)                            | PVC (.275 x .416)           | .043                      | 75               | 16.2                  | -40 to +80                                    | 350                                   |
| RG-6/U Type Burial           | <b>9062</b>   | 6.23     | Belden          | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DB+/77% AL (5.6)                            | PVC (.275)                  | .023                      | 75               | 16.2                  | -55 to +80                                    | 300                                   |
| RG-6/U Type Burial           | <b>9066</b>   | 6.19     | Belden          | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PE (.270)                   | .026                      | 75               | 16.2                  | -55 to +80                                    | 300                                   |
| RG-6/U Type                  | <b>9077</b>   | 6.19     | Belden          | 2/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PVC (.270 x .590)           | .057                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type                  | <b>9116</b>   | 6.19     | Belden          | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PVC (.270)                  | .030                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type Plenum           | <b>9116P</b>  | 6.19     | Belden          | 1/.040" BCCS (28.0)                                    | FFPE (.170)                     | DBII/60% AL (9.0)                           | FLM (.235)                  | .025                      | 75               | 16.3                  | -20 to +75                                    | 300                                   |
| RG-6/U Type Riser            | <b>9116R</b>  | 6.19     | Belden          | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PVC (.270)                  | .030                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type                  | <b>9116SB</b> | 6.19     | Belden          | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/60% AL (9.0)                           | LSZH (.274)                 | .031                      | 75               | 16.2                  | -30 to +75                                    | 300                                   |
| RG-6/U Type Messengered      | <b>9117M</b>  | 6.19     | Belden          | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBII/60% AL (9.0)                           | PVC (.270 x .410)           | .042                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type                  | <b>9118</b>   | 6.21     | Belden          | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBIII/60% AL (6.8)                          | PVC (.275)                  | .026                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type Messengered      | <b>9119M</b>  | 6.21     | Belden          | 1/.040" BCCS (28.0)                                    | GIFPE (.180)                    | DBIII/60% AL (6.5)                          | PVC (.275 x .416)           | .042                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type                  | <b>9248</b>   | 6.38     | Belden          | 1/.040" BC (6.4)                                       | GIFHDPE (.180)                  | DF/65% TC (5.6)                             | PVC (.270)                  | .030                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-6/U Type                  | <b>9290</b>   | 6.38     | Belden          | 1/.037" BC (7.5)                                       | FPE (.180)                      | None/95% BC None/95% BC (2.0)               | PVC (.288)                  | .054                      | 75               | 17.3                  | -40 to +80                                    | 300                                   |

\*Inner conductors are entered as: number of strands/strand diameter (in inches).

See page 6.15 for key to abbreviations used in this table.



## RG Coaxial and Triaxial Reference Guide

### RG-6, RG-8 and RG-11 Types

| Cable Designation                 | Part No. | Page No. | Spec. Reference           | Conductor Stranding/<br>Dia. & Type*<br>(DCR/1000 Ft.) | Insulation Material<br>(OD in.) | Shield Type<br>Tape/Braid<br>(DCR/1000 Ft.)        | Jacket Material<br>(OD in.)        | Nom. Weight<br>(Lbs./Ft.) | Nom. Imp.<br>(Ω) | Nom. Cap.<br>(pF/Ft.) | Suggested Operating<br>Temp. Range<br>(°C) UL | Max. Oper.<br>Voltage<br>(RMS)<br>Non UL |
|-----------------------------------|----------|----------|---------------------------|--|---------------------------------|--|------------------------------------|---------------------------|------------------|-----------------------|---|--|
| <b>RG-6 Type (continued)</b>      |          |          |                           |  |                                 |  |                                    |                           |                  |                       |   |  |
| RG-6/U Type Plenum                | 82120    | 6.25     | Belden                    | 1/.040" BCCS (28.0)                                    | FFEP (.170)                     | DF/95% TC (1.7)                                    | FLM (.234)                         | .044                      | 75               | 16.5                  | -20 to +75                                    | 300                                      |
| RG-6/U Type Plenum                | 82248    | 6.38     | Belden                    | 1/.040" BC (6.4)                                       | FFEP (.170)                     | DF/65% TC (5.1)                                    | FLM (.222)                         | .035                      | 75               | 16.5                  | -20 to +75                                    | 300                                      |
| RG-6/U Type Plenum                | 87120    | 6.25     | Belden                    | 1/.040" BCCS (28.0)                                    | FFEP (.170)                     | DF/95% TC (1.7)                                    | PVDF (.234)                        | .043                      | 75               | 16.5                  | -20 to +150                                   | 300                                      |
| RG-6/U Type Plenum                | 89120    | 6.25     | Belden                    | 1/.040" BCCS (28.0)                                    | FFEP (.170)                     | DF/95% TC (1.7)                                    | FEP (.234)                         | .044                      | 75               | 16.5                  | -70 to +200                                   | 300                                      |
| RG-6/U Type Plenum                | 89248    | 6.38     | Belden                    | 1/.040" BC (6.4)                                       | FFEP (.170)                     | DF/65% TC (5.1)                                    | FEP (.222)                         | .035                      | 75               | 16.5                  | -70 to +200                                   | 300                                      |
| <b>RG-8 Type</b>                  |          |          |                           |  |                                 |  |                                    |                           |                  |                       |   |  |
| RG-8/U Type                       | 7733A    | 6.70     | Belden                    | 1/1.108" BC (0.9)                                      | FFEP (.280)                     | DF/90% TC (1.8)                                    | PVDF (.355)                        | .115                      | 50               | 24.2                  | -20 to +150                                   | 300                                      |
| RG-8/X Type RF240                 | 7808A    | 6.61     | Belden                    | 1/1.057" BC (3.2)                                      | GIFHDPE (.150)                  | DB/95% TC (2.8)                                    | PE (.240)                          | .036                      | 50               | 23.0                  | -40 to +75                                    | 300                                      |
| RG-8/X Type RF240 Riser           | 7808R    | 6.61     | Belden                    | 1/1.057" BC (3.2)                                      | GIFHDPE (.150)                  | DB/95% TC (2.8)                                    | PVC (.240)                         | .040                      | 50               | 23.0                  | -40 to +75                                    | 300                                      |
| RG-8/X Type RF240 Burial          | 7808WB   | 6.61     | Belden                    | 1/1.057" BC (3.2)                                      | GIFHDPE (.150)                  | DB/95% TC (2.8)                                    | PE (.240)                          | .036                      | 50               | 23.0                  | -40 to +75                                    | 300                                      |
| RG-8/U Type RF400                 | 7810A    | 6.63     | Belden                    | 1/1.108" BCCA (1.34)                                   | GIFHDPE (.285)                  | DB/95% TC (2.0)                                    | PE (.403)                          | .077                      | 50               | 23.0                  | -40 to +75                                    | 300                                      |
| RG-8/U Type RF400 Riser           | 7810R    | 6.63     | Belden                    | 1/1.108" BCCA (1.34)                                   | GIFHDPE (.285)                  | DB/95% TC (2.0)                                    | PVC (.403)                         | .087                      | 50               | 23.0                  | -40 to +75                                    | 300                                      |
| RG-8/U Type RF400 Burial          | 7810WB   | 6.63     | Belden                    | 1/1.108" BCCA (1.34)                                   | GIFHDPE (.285)                  | DB/95% TC (2.0)                                    | PE (.403)                          | .077                      | 50               | 23.0                  | -40 to +75                                    | 300                                      |
| RG-8/U Type                       | 8214     | 6.69     | Belden                    | 7/1.108" BC (1.2)                                      | FPE (.285)                      | None/97% BC (1.1)                                  | PVC (.403)                         | .106                      | 50               | 26.0                  | -40 to +80                                    | 300                                      |
| RG-8/U Type                       | 8237     | 6.69     | JAN-C-17A                 | 7/1.085" BC (1.9)                                      | PE (.285)                       | None/97% BC (1.2)                                  | PVC (.405)                         | .104                      | 52               | 28.5                  | -40 to +75                                    | 3,700                                    |
| RG-8/U Type                       | 9251     | 6.69     | MIL-C-17D                 | 7/1.085" BC (1.9)                                      | PE (.285)                       | None/97% BC (1.2)                                  | PVC-NC (.405)                      | .099                      | 52               | 28.5                  | -40 to +80                                    | 3,700                                    |
| RG-8/X Type                       | 9258     | 6.69     | Belden                    | 19/.058" BC (4.3)                                      | GIFPE (.155)                    | None/95% BC (3.3)                                  | PVC (.242)                         | .035                      | 50               | 24.8                  | -30 to +80                                    | 300                                      |
| RG-8/U Type Thick Ethernet        | 9880     | 6.83     | Belden, DEC PN17-00451-00 | 1/.086" BC (1.4)                                       | FPE (.243)                      | DBIV/94% TC 90% TC (1.5)                           | PVC (.405)                         | .113                      | 50               | 26.0                  | -30 to +60                                    | 300                                      |
| RG-8/U Type Triaxial              | 9888     | 6.90     | Belden                    | 7/1.108" BC (1.2)                                      | FPE (.285)                      | Inner None/96% BC (1.2)<br>Outer None/96% BC (2.1) | Inner PE (.370)<br>Outer PE (.480) | .130                      | 50               | 26.0                  | -55 to +80                                    | 300                                      |
| RG-8/U Type                       | 9913     | 6.70     | Belden                    | 1/1.108" BC (0.9)                                      | SSPE (.286)                     | DBII/90% TC (1.8)                                  | PVC (.405)                         | .097                      | 50               | 24.6                  | -40 to +80                                    | 300                                      |
| RG-8/U Type                       | 9913F7   | 6.70     | Belden                    | 7/1.108" BC (1.1)                                      | GIFHDPE (.285)                  | DB/95% TC (1.8)                                    | BELFX (.405)                       | .094                      | 52               | 22.5                  | -40 to +80                                    | 300                                      |
| RG-8/U Type                       | 9914     | 6.70     | Belden                    | 1/1.103" BC (1.8)                                      | GIFHDPE (.285)                  | DBII/95% TC (1.1)                                  | PVC (.403)                         | .108                      | 50               | 24.8                  | -40 to +80                                    | 300                                      |
| RG-8/U Type Thick Ethernet Plenum | 89880    | 6.83     | Belden, DEC PN17-00324-00 | 1/.086" BC (1.4)                                       | FFEP (.245)                     | DBIV/90% TC 90% TC (1.5)                           | PVDF (.375)                        | .137                      | 50               | 26.0                  | -25 to +150                                   | 300                                      |
| RG-8/U Type Plenum                | 89913    | 6.70     | Belden                    | 1/1.108" BC (0.9)                                      | SSFEP (.295)                    | DBII/90% TC (1.8)                                  | PVDF (.364)                        | .115                      | 50               | 25.0                  | -20 to +150                                   | 300                                      |
| <b>RG-11 Type</b>                 |          |          |                           |  |                                 |  |                                    |                           |                  |                       |   |  |
| RG-11/U Type Plenum               | 1153A    | 6.28     | Belden, IBM P/N1501908    | 1/.064" BCCS (11.0)                                    | FFEP (.280)                     | DF/60% TC DF/40% TC (1.8)                          | FEP (.387)                         | .092                      | 75               | 16.2                  | -70 to +200                                   | 300                                      |
| RG-11/U Type                      | 1523A    | 6.26     | Belden                    | 1/.064" BCCS (11.0)                                    | GIFPE (.280)                    | DBII/60% AL (4.1)                                  | PVC (.400)                         | .054                      | 75               | 16.2                  | -40 to +80                                    | 300                                      |
| RG-11/U Type                      | 1523AN   | 6.26     | Belden                    | 1/.064" BCCS (11.0)                                    | GIFPE (.280)                    | DBII/60% AL (4.1)                                  | PVC (.400)                         | .054                      | 75               | 16.2                  | -40 to +80                                    | 300                                      |
| RG-11/U Type Plenum               | 1523AP   | 6.26     | Belden                    | 1/.064" BCCS (11.0)                                    | FFEP (.274)                     | DBII/60% AL (4.1)                                  | PVDF (.348)                        | .057                      | 75               | 16.3                  | -20 to +150                                   | 300                                      |

\*Inner conductors are entered as: number of strands/strand diameter (in inches).

See page 6.15 for key to abbreviations used in this table.

# RG Coaxial and Triaxial Reference Guide

## RG/11U Type

| Cable Designation                       | Part No. | Page No. | Spec. Reference | Conductor Stranding/<br>Dia. & Type*<br>(DCR/1000 Ft.) | Insulation Material<br>(OD in.) | Shield Type<br>Tape/Braid<br>(DCR/1000 Ft.)        | Jacket Material<br>(OD in.)            | Nom. Weight<br>(Lbs./Ft.) | Nom. Imp.<br>(Ω) | Nom. Cap.<br>(pF/Ft.) | Suggested Operating<br>Temp. Range<br>(°C) UL | Max. Oper. Voltage<br>(RMS)<br>Non UL |
|---|----------|----------|-----------------|--|---------------------------------|--|--|---------------------------|------------------|-----------------------|---|---------------------------------------|
| <b>RG-11/U Type (continued)</b>         |          |          |                 |  |                                 |  |  |                           |                  |                       |   |                                       |
| RG-11/U Type Riser                      | 1523R    | 6.26     | Belden          | 1/.064" BCCS (11.0)                                    | GIFPE (.280)                    | DBII/60% AL (4.1)                                  | PVC (.400)                             | .054                      | 75               | 16.2                  | -30 to +80                                    | 300                                   |
| RG-11/U Type Messengered                | 1524AM   | 6.26     | Belden          | 1/.064" BCCS (11.0)                                    | GIFPE (.280)                    | DBII/60% AL (4.1)                                  | PVC (.400 x .580)                      | .070                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-11/U Type Burial                     | 1525A    | 6.26     | Belden          | 1/.064" BCCS (11.0)                                    | GIFPE (.280)                    | DBII/60% AL (4.1)                                  | PE (.400)                              | .046                      | 75               | 16.2                  | -50 to +80                                    | 300                                   |
| RG-11/U Type                            | 1617A    | 6.28     | Belden          | 1/.064" BCCS (11.0)                                    | GIFPE (.280)                    | DBIV/60% AL 40% AL (3.0)                           | PVC (.407)                             | .059                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-11/U Type                            | 1618A    | 6.28     | Belden          | 1/.064" BCCS (11.0)                                    | GIFPE (.280)                    | DBIV/60% AL 40% AL (3.0)                           | PE (.407)                              | .053                      | 75               | 16.2                  | -55 to +80                                    | 300                                   |
| RG-11/U Type Messengered                | 1619AM   | 6.28     | Belden          | 1/.064" BCCS (11.0)                                    | GIFPE (.280)                    | DBIV/60% AL 40% AL (3.0)                           | PVC (.407 x .560)                      | .075                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-11/U Type Messengered                | 1620AM   | 6.28     | Belden          | 1/.064" CCS (11.0)                                     | GIFPE (.280)                    | DBIV/60% AL 40% AL (3.0)                           | PVC (.407 x .560)                      | .078                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-11/U Type Triaxial High-Flex Version | 1858A    | 6.53     | Belden          | 19/.064" BC (3.1)                                      | GIFHDPE (.312)                  | Inner None/95% BC (1.8)<br>Outer None/95% BC (1.4) | Inner PE (.405)<br>Outer BELFX (.520)  | .147                      | 75               | 17.3                  | -35 to +75                                    | 300                                   |
| RG-11/U Type Triaxial Plenum            | 1859A    | 6.53     | Belden          | 19/.064" BC (3.1)                                      | FFEP (.285)                     | Inner None/95% (1.4)<br>Outer None/87% (1.4)       | Inner PVDF (.350)<br>Outer PVDF (.406) | .120                      | 75               | 16.5                  | -20 to +125                                   | 300                                   |
| RG-11/U Type                            | 3094A    | 6.84     | Belden          | 1/.064" BCCS (11.0)                                    | GIFPE (.280)                    | DBIV/67% AL 46% AL (1.5)                           | PVC (.407)                             | .059                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-11/U Type                            | 3095A    | 6.85     | Belden          | 1/.064" BCCS (11.0)                                    | FFEP (.280)                     | DBIV/67% AL 46% AL (3.9)                           | PVDF (.387)                            | .068                      | 75               | 16.5                  | -20 to +150                                   | 300                                   |
| RG-11/U Type                            | 7731A    | 6.44     | Belden          | 1/.064" BC (2.5)                                       | GIFHDPE (.280)                  | DF/95% TC (1.5)                                    | PVC (.400)                             | .100                      | 75               | 16.0                  | -30 to +75                                    | 300                                   |
| RG-11/U Type Plenum                     | 7732A    | 6.44     | Belden          | 1/.064" BC (2.5)                                       | FFEP (.274)                     | DF/95% TC (1.6)                                    | PVDF (.348)                            | .075                      | 75               | 16.3                  | -20 to +150                                   | 300                                   |
| RG-11/U Type Triax Flooded              | 7803A    | 6.54     | Belden          | 1/.064" BC (2.5)                                       | GIFHDPE (.285)                  | Inner None/95% BC (1.6)<br>Outer None/95% BC (1.4) | Inner PE (.365)<br>Outer PE (.475)     | .112                      | 75               | 16.1                  | -55 to +80                                    | 300                                   |
| RG-11/U Type Aerial                     | 7983A    | 6.27     | Belden          | 1/.064" BCCS (11.0)                                    | GIFPE (.280)                    | DBIII+/77% AL (4.0)                                | PVC (.400 x .580)                      | .084                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-11/U Type Burial                     | 7984A    | 6.27     | Belden          | 1/.064" BCCS (11.0)                                    | GIFPE (.280)                    | DBIII+/77% AL (4.0)                                | PE (.400)                              | .052                      | 75               | 16.2                  | -55 to +80                                    | 300                                   |
| RG-11/U Type                            | 8213     | 6.39     | Belden          | 1/.064" BC (2.6)                                       | GIFHDPE (.285)                  | None/97% BC (1.1)                                  | PE (.405)                              | .087                      | 75               | 16.1                  | -55 to +80                                    | 300                                   |
| RG-11/U Type Triaxial                   | 8233     | 6.54     | Belden          | 1/.064" BC (2.5)                                       | GIFHDPE (.285)                  | Inner None/95% BC (1.6)<br>Outer None/80% BC (1.4) | Inner PE (.365)<br>Outer PE (.475)     | .112                      | 75               | 16.1                  | -55 to +80                                    | 300                                   |
| RG-11/U Type Triaxial                   | 8233A    | 6.54     | Belden          | 1/.064" BC (2.5)                                       | GIFHDPE (.285)                  | Inner None/95% BC (1.6)<br>Outer None/80% BC (1.4) | Inner PVC (.365)<br>Outer PVC (.475)   | .132                      | 75               | 16.1                  | -30 to +75                                    | 300                                   |

\*Inner conductors are entered as: number of strands/strand diameter (in inches).

See page 6.15 for key to abbreviations used in this table.





# RG Coaxial and Triaxial Reference Guide

## RG/11U and RG-58 Types

| Cable Designation               | Part No. | Page No. | Spec. Reference        | Conductor Stranding/<br>Dia. & Type*<br>(DCR/1000 Ft.) | Insulation Material<br>(OD in.) | Shield Type<br>Tape/Braid<br>(DCR/1000 Ft.)                    | Jacket Material<br>(OD in.)                     | Nom. Weight<br>(Lbs./Ft.) | Nom. Imp.<br>(Ω) | Nom. Cap.<br>(pF/Ft.) | Suggested Operating Temp. Range<br>(°C) UL | Max. Oper. Voltage<br>(RMS)<br>Non UL |
|---------------------------------|----------|----------|------------------------|--|---------------------------------|--|---|---------------------------|------------------|-----------------------|--|---------------------------------------|
| <b>RG-11/U Type (continued)</b> |          |          |                        |  |                                 |  |   |                           |                  |                       |  |                                       |
| RG-11/U Type                    | 9011     | 6.26     | Belden                 | 1/.064" BCCS<br>(11.0)                                 | GIFPE<br>(.280)                 | DF/40% AL<br>(5.3)   | PVC<br>(.400)                                   | .060                      | 75               | 16.2                  | -40 to +80                                 | 300                                   |
| RG-11/U Type                    | 9064     | 6.27     | Belden                 | 1/.064" BCCS<br>(11.0)                                 | GIFPE<br>(.280)                 | DB+/77% AL<br>(3.8)  | PVC<br>(.400)                                   | .062                      | 75               | 16.2                  | -40 to +80                                 | 300                                   |
| RG-11/U Type<br>Messengered     | 9065M    | 6.27     | Belden                 | 1/.064" BCCS<br>(11.0)                                 | GIFPE<br>(.280)                 | DB+/77% AL<br>(3.8)  | PVC<br>(.400 x .580)                            | .080                      | 75               | 16.2                  | -40 to +80                                 | 300                                   |
| RG-11/U Type<br>Triaxial        | 9192     | 6.53     | Belden                 | 19/.064" BC<br>(3.3)                                   | GIFHDPE<br>(.312)               | Inner<br>None/90% BC<br>(1.6)<br>Outer<br>None/82% BC<br>(1.6) | Inner<br>PE<br>(.390)<br>Outer<br>PVC<br>(.520) | .134                      | 75               | 17.3                  | -40 to +75                                 | 300                                   |
| RG-11/QPL<br>M17/6-RG11         | 9212     | 6.79     | MIL-C-17G              | 7/.048" TC<br>(6.1)                                    | PE<br>(.285)                    | None/97% BC<br>(1.2)   | PVC-NC<br>(.405)                                | .090                      | 75               | 20.5                  | -40 to +85                                 | 3,700                                 |
| RG-11/U Type<br>Triaxial        | 9232     | 6.53     | Belden                 | 19/.064" BC<br>(3.0)                                   | GIFHDPE<br>(.312)               | Inner<br>None/90% BC<br>(1.6)<br>Outer<br>None/82% BC<br>(1.7) | Inner PE<br>(.390)<br>Outer H<br>(.520)         | .140                      | 75               | 17.3                  | -20 to +75                                 | 300                                   |
| RG-11/U Type                    | 9292     | 6.39     | Belden                 | 1/.064" BC<br>(2.5)                                    | GIFHDPE<br>(.280)               | DF/61% TC<br>(3.0)   | PVC<br>(.405)                                   | .081                      | 75               | 16.1                  | -40 to +80                                 | 300                                   |
| RG-11/U Type<br>Burial          | 9764     | 6.27     | Belden                 | 1/.064" BCCS<br>(11.0)                                 | GIFPE<br>(.280)                 | DB+/77% AL<br>(3.8)  | PE<br>(.400)                                    | .056                      | 75               | 16.2                  | -55 to +80                                 | 300                                   |
| RG-11/U Type<br>Plenum          | 89292    | 6.39     | Belden                 | 1/.064" BC<br>(2.5)                                    | FFEP<br>(.274)                  | DF/63% TC<br>(3.0)   | FEP<br>(.346)                                   | .077                      | 75               | 16.1                  | -70 to +200                                | 300                                   |
| <b>RG-58 Type</b>               |          |          |                        |  |                                 |  |   |                           |                  |                       |  |                                       |
| RG-58/U Type<br>RF195           | 7806A    | 6.60     | Belden                 | 1/.037" BC<br>(7.6)                                    | GIFHDPE<br>(.110)               | DF/90% TC<br>(4.2)   | PE<br>(.195)                                    | .022                      | 50               | 24.3                  | -40 to +75                                 | 300                                   |
| RG-58/U Type<br>RF195 Riser     | 7806R    | 6.60     | Belden                 | 1/.037" BC<br>(7.6)                                    | GIFHDPE<br>(.110)               | DF/90% TC<br>(4.2)   | PVC<br>(.195)                                   | .026                      | 50               | 24.3                  | -40 to +75                                 | 300                                   |
| RG-58/U Type<br>RF200           | 7807A    | 6.60     | Belden                 | 1/.044" BC<br>(3.3)                                    | GIFHDPE<br>(.116)               | DF/95% TC<br>(4.2)   | PE<br>(.195)                                    | .026                      | 50               | 23.5                  | -40 to +75                                 | 300                                   |
| RG-58/U Type<br>RF200 Riser     | 7807R    | 6.60     | Belden                 | 1/.044" BC<br>(3.3)                                    | GIFHDPE<br>(.116)               | DF/95% TC<br>(4.2)   | PVC<br>(.195)                                   | .029                      | 50               | 23.5                  | -40 to +75                                 | 300                                   |
| RG-58A/U Type                   | 8219     | 6.68     | Belden                 | 19/.037" TC<br>(8.8)                                   | FPE<br>(.114)                   | None/96% TC<br>(4.1)   | PVC<br>(.194)                                   | .025                      | 53.5             | 26.5                  | -40 to +80                                 | 300                                   |
| RG-58A/U                        | 8240     | 6.68     | JAN-C-17A              | 1/.033" BC<br>(10.0)                                   | PE<br>(.116)                    | None/95% TC<br>(4.1)   | PVC<br>(.193)                                   | .025                      | 51.5             | 28.5                  | -40 to +75                                 | 1,400                                 |
| RG-58A/U Type                   | 8259     | 6.68     | JAN-C-17A              | 19/.035" TC<br>(10.8)                                  | PE<br>(.116)                    | None/95% TC<br>(4.1)   | PVC<br>(.192)                                   | .024                      | 50               | 30.8                  | -40 to +75                                 | 1,400                                 |
| RG-58C/U QPL<br>M17/155-00001   | 8262     | 6.77     | MIL-C-17G              | 19/.035" TC<br>(10.8)                                  | PE<br>(.115)                    | None/95% TC<br>(4.1)   | PVC-NC<br>(.195)                                | .024                      | 50               | 30.8                  | -40 to +85                                 | 1,400                                 |
| RG-58/U Type                    | 9201     | 6.67     | Belden                 | 1/.033" BC<br>(10.0)                                   | PE<br>(.116)                    | None/78% BC<br>(5.5)   | PVC<br>(.193)                                   | .022                      | 51.5             | 28.5                  | -40 to +80                                 | 1,400                                 |
| RG-58/QPL<br>M17/28-RG-58       | 9203     | 6.77     | MIL-C-17G              | 19/.035" TC<br>(10.8)                                  | PE<br>(.116)                    | None/95% TC<br>(4.1)   | PVC-NC<br>(.195)                                | .025                      | 50               | 30.8                  | -40 to +85                                 | 1,400                                 |
| RG-58A/U Type<br>Triaxial       | 9222     | 6.90     | Belden                 | 7/.037" TC<br>(9.5)                                    | PE<br>(.114)                    | Inner<br>None/96% TC<br>(4.7)<br>Outer<br>None/85% TC<br>(4.3) | Inner PE<br>(.175)<br>Outer PVC<br>(.240)       | .037                      | 50               | 30.8                  | -40 to +75                                 | 1,400                                 |
| RG-58/U Type                    | 9223     | 6.82     | Belden                 | 7/.030" TC<br>(10.8)                                   | PE<br>(.112)                    | DBII/95% TC<br>(4.1)   | PVC<br>(.195)                                   | .024                      | 50               | 37.0                  | -40 to +80                                 | 1,900                                 |
| RG-58/U Type                    | 9310     | 6.67     | Belden                 | 1/.033" BC<br>(9.4)                                    | PE<br>(.114)                    | DBII/55% TC<br>(8.0)   | PVC<br>(.193)                                   | .020                      | 50               | 30.8                  | -40 to +60                                 | 1,400                                 |
| RG-58A/U Type                   | 9311     | 6.68     | Belden                 | 19/.037" TC<br>(8.8)                                   | FPE<br>(.114)                   | DBII/55% TC<br>(17.0)  | PVC<br>(.193)                                   | .018                      | 52               | 26.0                  | -40 to +80                                 | 300                                   |
| RG-58A/U Type<br>Thin Ethernets | 9907     | 6.83     | DEC P/N<br>17-01248-00 | 19/.037" TC<br>(8.8)                                   | FPE<br>(.102)                   | DBII/93% TC<br>(5.8)   | PVC<br>(.185)                                   | .022                      | 50               | 25.4                  | -40 to +80                                 | 300                                   |

\*Inner conductors are entered as: number of strands/strand diameter (in inches).

See page 6.15 for key to abbreviations used in this table.



# RG Coaxial and Triaxial Reference Guide

## RG-58 and RG-59/U Types

| Cable Designation                       | Part No. | Page No. | Spec. Reference         | Conductor Stranding/<br>Dia. & Type*<br>(DCR/1000 Ft.) | Insulation Material<br>(OD in.) | Shield Type<br>Tape/Braid<br>(DCR/1000 Ft.)        | Jacket Material<br>(OD in.)            | Nom. Weight<br>(Lbs./Ft.) | Nom. Imp.<br>(Ω) | Nom. Cap.<br>(pF/Ft.) | Suggested Operating<br>Temp. Range<br>(°C) UL | Max. Oper. Voltage<br>(RMS)<br>Non UL |
|---|----------|----------|-------------------------|--|---------------------------------|--|--|---------------------------|------------------|-----------------------|---|---------------------------------------|
| <b>RG-58 Type (continued)</b>           |          |          |                         |  |                                 |  |  |                           |                  |                       |   |                                       |
| RG-58A/U Type Plenum                    | 82240    | 6.68     | Belden                  | 1/.032" BC (10.2)                                      | FEP (.107)                      | None/95% TC (6.7)                                  | FLM (.159)                             | .030                      | 53.5             | 26.4                  | 0 to +75                                      | 1,400                                 |
| RG-58A/U Type Thin Ethernets Plenum     | 82907    | 6.83     | Belden                  | 19/.0375" TC (8.8)                                     | FFEP (.095)                     | DBII/93% TC (5.8)                                  | FLM (.160)                             | .023                      | 50               | 25.4                  | 0 to +75                                      | 300                                   |
| RG-58A/U Type Plenum                    | 88240    | 6.68     | Belden                  | 1/.032" BC (10.2)                                      | FEP (.107)                      | None/95% TC (6.7)                                  | FEP (.159)                             | .021                      | 53.5             | 26.4                  | -70 to +200                                   | 300                                   |
| RG-58A/U Type Thin Ethernet Plenum      | 89907    | 6.83     | DEC P/N 17-01246-00     | 19/.0375" TC (8.8)                                     | FFEP (.095)                     | DBII/93% TC (5.8)                                  | PVDF (.160)                            | .025                      | 50               | 25.4                  | -20 to +150                                   | 300                                   |
| <b>RG-59/U Type</b>                     |          |          |                         |  |                                 |  |  |                           |                  |                       |   |                                       |
| RG-59/U Type Plenum                     | 1151A    | 6.18     | Belden, IBM P/N 1501917 | 1/.032" BCCS (26.0)                                    | FFEP (.140)                     | DF/52% TC<br>DF/34% TC (2.3)                       | FEP (.236)                             | .035                      | 75               | 16.5                  | -70 to +200                                   | 300                                   |
| RG-59/U Type                            | 1186A    | 6.17     | Belden                  | 1/.032" CCS (44.5)                                     | GIFHDPE (.144)                  | DBIV/67% AL<br>40% AL (7.0)                        | PVC (.265)                             | .025                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-59/U Type                            | 1426A    | 6.37     | Belden                  | 1/.032" BC (10.0)                                      | GIFHDPE (.145)                  | None/95% BC (2.6)                                  | PVC (.242)                             | .033                      | 75               | 16.3                  | -30 to +75                                    | 300                                   |
| RG-59/U Type                            | 1505A    | 6.29     | Belden                  | 1/.032" BC (10.0)                                      | GIFHDPE (.145)                  | DF/95% TC (3.8)                                    | PVC (.234)                             | .031                      | 75               | 16.3                  | -30 to +75                                    | 300                                   |
| RG-59/U Type                            | 1505F    | 6.29     | Belden                  | 7/.031" BC (12.2)                                      | GIFHDPE (.145)                  | None/94% BC (2.4)<br>None/94% BC (2.4)             | PVC (.242)                             | .040                      | 75               | 17.0                  | -35 to +75                                    | 300                                   |
| RG-59/U Type Plenum                     | 1506A    | 6.42     | Belden                  | 1/.032" BC (10.0)                                      | FFEP (.133)                     | DF/95% TC (3.8)                                    | FLM (.196)                             | .027                      | 75               | 16.0                  | -20 to +75                                    | 300                                   |
| RG-59/U Type Triaxial                   | 1856A    | 6.52     | Belden                  | 1/.032" BC (10.1)                                      | GIFHDPE (.145)                  | Inner None/95% BC (2.5)<br>Outer None/95% BC (1.6) | Inner PE (.216)<br>Outer BELFX (.360)  | .070                      | 75               | 16.2                  | -35 to +75                                    | 300                                   |
| RG-59/U Type Triax                      | 1856B    | 6.52     | Belden                  | 1/.032" BC (10.1)                                      | GIFHDPE (.145)                  | Inner None/95% BC (2.5)<br>Outer None/95% BC (1.6) | Inner PVC (.216)<br>Outer BELFX (.360) | .073                      | 75               | 16.2                  | -35 to +75                                    | 300                                   |
| RG-59/U Type Triaxial High-Flex Version | 1857A    | 6.51     | Belden                  | 19/.031" BC (14.0)                                     | FPE (.143)                      | Inner None/95% BC (2.5)<br>Outer None/90% BC (1.6) | Inner PE (.216)<br>Outer BELFX (.360)  | .075                      | 75               | 17.0                  | -35 to +75                                    | 300                                   |
| RG-59/U Type                            | 8212     | 6.37     | Belden                  | 1/.032" CCS (44.5)                                     | FPE (.143)                      | None/95% BC (2.6)                                  | PE (.242)                              | .030                      | 75               | 17.3                  | -55 to +80                                    | 300                                   |
| RG-59/U Type                            | 8221     | 6.36     | Belden                  | 1/.0253" BCCS (50.0)                                   | FPE (.146)                      | None/85% BC (2.6)                                  | PVC (.242)                             | .032                      | 80               | 16.3                  | -40 to +75                                    | 300                                   |
| RG-59/U Type Triaxial                   | 8232     | 6.51     | Belden                  | 1/.032" BC (10.0)                                      | GIFHDPE (.145)                  | Inner None/95% BC (2.5)<br>Outer None/80% BC (2.8) | Inner PE (.225)<br>Outer PE (.315)     | .054                      | 75               | 16.2                  | -55 to +80                                    | 300                                   |
| RG-59/U Type Triaxial                   | 8232A    | 6.51     | Belden                  | 1/.032" BC (10.0)                                      | GIFHDPE (.145)                  | Inner None/98% BC (2.5)<br>Outer None/80% BC (2.8) | Inner PVC (.226)<br>Outer PVC (.315)   | .065                      | 75               | 16.2                  | -40 to +75                                    | 300                                   |
| RG-59/U Type                            | 8241     | 6.35     | Belden                  | 1/.023" BCCS (49.0)                                    | PE (.146)                       | None/95% BC (2.6)                                  | PVC (.240)                             | .036                      | 75               | 20.5                  | -40 to +75                                    | 1,700                                 |

\*Inner conductors are entered as: number of strands/strand diameter (in inches).

See page 6.15 for key to abbreviations used in this table.



# RG Coaxial and Triaxial Reference Guide

## RG-59/U Type

| Cable Designation                  | Part No.     | Page No. | Spec. Reference | Conductor Stranding/<br>Dia. & Type*<br>(DCR/1000 Ft.) | Insulation Material<br>(OD in.) | Shield Type<br>Tape/Braid<br>(DCR/1000 Ft.)                    | Jacket Material<br>(OD in.)             | Nom. Weight<br>(Lbs./Ft.) | Nom. Imp.<br>(Ω) | Nom. Cap.<br>(pF/Ft.) | Suggested Operating<br>Temp. Range<br>(°C) UL | Max. Oper.<br>Voltage<br>(RMS)<br>Non UL |
|------------------------------------|--------------|----------|-----------------|--|---------------------------------|--|---|---------------------------|------------------|-----------------------|---|--|
| <b>RG-59/U Type (continued)</b>    |              |          |                 |  |                                 |  |   |                           |                  |                       |   |  |
| RG-59/U Type                       | <b>8241A</b> | 6.35     | Belden          | 1/.023" BCCS<br>(49.0)                                 | FRSFPE<br>(.146)                | None/95% BC<br>(2.6)   | PVC<br>(.242)                           | .039                      | 75               | 20.5                  | -40 to +75                                    | 300                                      |
| RG-59/U Type                       | <b>8241B</b> | 6.35     | Belden          | 1/.0228" BC<br>(20.0)                                  | PE<br>(.146)                    | None/95% BC<br>(2.9)   | PVC<br>(.242)                           | .038                      | 75               | 20.5                  | -20 to +75                                    | 300                                      |
| RG-59/U Type                       | <b>8241F</b> | 6.35     | Belden          | 7/.030" BC<br>(15.0)                                   | FPE<br>(.146)                   | None/95% BC<br>(2.6)   | PVC<br>(.242)                           | .033                      | 75               | 17.3                  | -30 to +60                                    | 300                                      |
| RG-59B/U Type                      | <b>8263</b>  | 6.36     | MIL-C-17D       | 1/.023" BCCS<br>(49.0)                                 | PE<br>(.146)                    | None/95% BC<br>(2.6)   | PVC-NC<br>(.242)                        | .035                      | 75               | 20.5                  | -40 to +60                                    | 1,700                                    |
| RG-59/U Type<br>Precision          | <b>8279</b>  | 6.41     | Belden          | 7/.023" BCC<br>(19.1)                                  | PE<br>(.146)                    | None/95% TC<br>(4.5)   | PE<br>(.220)                            | .026                      | 75               | 21.0                  | -55 to +80                                    | 2,300                                    |
| RG-59/U Type<br>Precision<br>Video | <b>8281</b>  | 6.30     | Belden          | 1/.031" BC<br>(9.9)                                    | PE<br>(.198)                    | None/97% TC<br>None/95% TC<br>(1.1)                            | PE<br>(.305)                            | .068                      | 75               | 21.0                  | -55 to +80                                    | 2,900                                    |
| RG-59/U Type<br>Precision<br>Video | <b>8281B</b> | 6.30     | Belden          | 1/.031" BC<br>(9.9)                                    | FRSFPE<br>(.198)                | None/97% TC<br>None/95% TC<br>(1.1)                            | PVC<br>(.305)                           | .078                      | 75               | 21.0                  | -40 to +80                                    | 300                                      |
| RG-59/U Type<br>Precision<br>Video | <b>8281F</b> | 6.30     | Belden          | 7/.0315" BCC<br>(12.2)                                 | PE<br>(.198)                    | None/97% TC<br>None/95% TC<br>(1.7)                            | PVC<br>(.305)                           | .060                      | 75               | 21.0                  | -20 to +60                                    | 2,900                                    |
| RG-59/U Type                       | <b>9100</b>  | 6.16     | Belden          | 1/.032" BCCS<br>(44.5)                                 | GIFPE<br>(.144)                 | DBII/40% AL<br>(17.0)  | PVC<br>(.237)                           | .020                      | 75               | 16.2                  | -40 to +80                                    | 300                                      |
| RG-59/U Type                       | <b>9104</b>  | 6.17     | Belden          | 1/.032" BCCS<br>(44.5)                                 | GIFPE<br>(.144)                 | DBII/67% AL<br>(12.0)  | PVC<br>(.237)                           | .024                      | 75               | 16.2                  | -40 to +80                                    | 300                                      |
| RG-59/U Type                       | <b>9104N</b> | 6.17     | Belden          | 1/.032" BCCS<br>(44.5)                                 | GIFPE<br>(.144)                 | DBII/67% AL<br>(12.0)  | PVC<br>(.237)                           | .024                      | 75               | 16.2                  | -40 to +80                                    | 300                                      |
| RG-59/U Type<br>Plenum             | <b>9104P</b> | 6.17     | Belden          | 1/.032" BCCS<br>(44.5)                                 | FFEP<br>(.140)                  | DBII/67% AL<br>(12.0)  | FLM<br>(.203)                           | .024                      | 75               | 16.3                  | -20 to +75                                    | 300                                      |
| RG-59/U Type                       | <b>9105M</b> | 6.17     | Belden          | 1/.032" BCCS<br>(44.5)                                 | GIFHDPE<br>(.140)               | DBII/67% AL<br>(12.0)  | PVC<br>(.240 x .387)                    | .037                      | 75               | 16.2                  | -40 to +80                                    | 300                                      |
| RG-59/U Type                       | <b>9110</b>  | 6.17     | Belden          | 1/.032" BCCS<br>(44.5)                                 | GIFHDPE<br>(.144)               | DBIII/67% AL<br>(12.0)   | PVC<br>(.242)                           | .022                      | 75               | 16.2                  | -40 to +80                                    | 300                                      |
| RG-59/U Type<br>Precision<br>Video | <b>9141</b>  | 6.43     | Belden          | 1/.031" BC<br>(9.9)                                    | PE<br>(.200)                    | None/97% TC<br>None/95% TC<br>(1.1)                            | PE<br>(.305)                            | .069                      | 75               | 20.0                  | -55 to +80                                    | 1,900                                    |
| RG-59/U Type                       | <b>9167</b>  | 6.29     | Belden          | 1/.032" SPCCS<br>(25.8)                                | GIFPE<br>(.144)                 | DB+/95% AL<br>(4.5)  | PVC<br>(.242)                           | .028                      | 75               | 16.2                  | -40 to +80                                    | 300                                      |
| RG-59/QPL<br>M17/29-RG59           | <b>9204</b>  | 6.79     | MIL-C-17G       | 1/.023" BCCS<br>(47.0)                                 | PE<br>(.146)                    | None/95% BC<br>(2.6)   | PVC-NC<br>(.241)                        | .034                      | 75               | 20.5                  | -40 to +85                                    | 1,700                                    |
| RG-59/U Type<br>Precision<br>Video | <b>9209</b>  | 6.41     | Belden          | 1/.023" BC<br>(20.4)                                   | PE<br>(.146)                    | DF/95% TC<br>(4.5)   | PE<br>(.220)                            | .026                      | 75               | 21.0                  | -55 to +80                                    | 2,300                                    |
| RG-59/U Type<br>Precision<br>Video | <b>9209A</b> | 6.41     | Belden          | 1/.023" BC<br>(20.4)                                   | FRSFPE<br>(.146)                | DF/95% TC<br>(4.5)   | PVC<br>(.220)                           | .035                      | 75               | 20.5                  | -40 to +75                                    | 300                                      |
| RG-59/U Type                       | <b>9224</b>  | 6.82     | Belden          | 1/.025" BCCS<br>(54.0)                                 | PE<br>(.146)                    | None/93% BC<br>(2.5)   | PVC<br>(.242)                           | .033                      | 75               | 22.0                  | -40 to +75                                    | 1,900                                    |
| RG-59/U Type<br>Precision<br>Video | <b>9231</b>  | 6.42     | W/E 728B        | 1/.031" BC<br>(9.9)                                    | PE<br>(.198)                    | None/97% TC<br>None/95% TC<br>(1.1)                            | PVC<br>(.305)                           | .071                      | 75               | 21.0                  | -40 to +60                                    | 1,900                                    |
| RG-59/U Type                       | <b>9240</b>  | 6.37     | Belden          | 1/.032" BCCS<br>(44.5)                                 | FPE<br>(.143)                   | None/80% BC<br>(5.6)   | PVC<br>(.241)                           | .028                      | 75               | 17.3                  | -40 to +75                                    | 300                                      |
| RG-59/U Type                       | <b>9244</b>  | 6.36     | Belden          | 1/.025" BCCS<br>(50.0)                                 | PE<br>(.146)                    | None/85% BC<br>(4.5)   | PVC<br>(.242)                           | .034                      | 75               | 19.4                  | -40 to +80                                    | 1,700                                    |
| RG-59/U Type                       | <b>9259</b>  | 6.36     | Belden          | 7/.030" BC<br>(15.0)                                   | FPE<br>(.146)                   | None/95% BC<br>(2.6)   | PVC<br>(.241)                           | .033                      | 75               | 17.3                  | -40 to +80                                    | 300                                      |
| RG-59/U Type<br>Triaxial           | <b>9267</b>  | 6.52     | Belden          | 1/.032" BC<br>(10.0)                                   | GIFHDPE<br>(.145)               | Inner<br>None/95% BC<br>(2.5)<br>Outer<br>None/80% BC<br>(2.6) | Inner PE<br>(.216)<br>Outer H<br>(.360) | .079                      | 75               | 16.3                  | -20 to +80                                    | 300                                      |

\*Inner conductors are entered as: number of strands/strand diameter (in inches).

See page 6.15 for key to abbreviations used in this table.

# RG Coaxial and Triaxial Reference Guide

RG-59/U, RG-62 and Other Misc. RG Types

| Cable Designation                         | Part No. | Page No. | Spec. Reference            | Conductor Stranding/<br>Dia. & Type*<br>(DCR/1000 Ft.) | Insulation Material<br>(OD in.) | Shield Type<br>Tape/Braid<br>(DCR/1000 Ft.)           | Jacket Material<br>(OD in.)                | Nom. Weight<br>(Lbs./Ft.) | Nom. Imp.<br>(Ω) | Nom. Cap.<br>(pF/Ft.) | Suggested Operating<br>Temp. Range<br>(°C) UL | Max. Oper. Voltage<br>(RMS)<br>Non UL |
|---|----------|----------|----------------------------|--|---------------------------------|---|--|---------------------------|------------------|-----------------------|---|---------------------------------------|
| <b>RG-59/U Type (continued)</b>           |          |          |                            |  |                                 |   |  |                           |                  |                       |   |                                       |
| RG-59/U Type                              | 9274     | 6.37     | Belden                     | 1/.032" BCCS<br>(44.5)                                 | FPE<br>(.143)                   | None/95% BC<br>(3.5)                                  | PVC<br>(.240)                              | .030                      | 75               | 16.3                  | -40 to +80                                    | 300                                   |
| RG-59/U Type                              | 9275     | 6.16     | Belden                     | 1/.032" BCCS<br>(44.5)                                 | GIFPE<br>(.144)                 | DF/40% AL<br>(17.0)                                   | PVC<br>(.237)                              | .023                      | 75               | 16.2                  | -40 to +80                                    | 300                                   |
| RG-59/U Type<br>Dual                      | 9555     | 6.84     | Belden                     | 1/.023" BCCS<br>(50.0)                                 | FRSFPE<br>(.146)                | None/95% BC<br>(2.6)                                  | PVC<br>(.238 x .478)                       | .075                      | 75               | 20.5                  | -40 to +80                                    | 300                                   |
| RG-59/U Type                              | 9659     | 6.36     | Belden                     | 7/.030" BC<br>(15.0)                                   | FPE<br>(.146)                   | None/95% BC<br>(2.6)                                  | PVC-NC<br>(.242)                           | .032                      | 75               | 17.3                  | -40 to +80                                    | 300                                   |
| RG-59/U Type<br>Plenum                    | 82108    | 6.18     | Belden                     | 1/.032" BCCS<br>(26.0)                                 | FFEP<br>(.140)                  | DF/96% TC<br>(2.6)                                    | FLM<br>(.202)                              | .035                      | 75               | 16.5                  | 0 to +75                                      | 300                                   |
| RG-59/U Type<br>Plenum                    | 82241    | 6.35     | Belden                     | 1/.023" BCCS<br>(49.0)                                 | FEP<br>(.134)                   | None/97% BC<br>(2.6)                                  | FLM<br>(.190)                              | .035                      | 75               | 19.5                  | -20 to +75                                    | 1,700                                 |
| RB-59/U Type<br>Plenum                    | 82259    | 6.36     | Belden                     | 7/.030" BC<br>(15.0)                                   | FFEP<br>(.135)                  | None/95% BC<br>(2.6)                                  | FLM<br>(.193)                              | .036                      | 75               | 17.3                  | -20 to +75                                    | 300                                   |
| RG-59/U Type<br>Plenum                    | 88241    | 6.35     | Belden                     | 1/.023" BCCS<br>(49.0)                                 | FEP<br>(.132)                   | None/97% BC<br>(2.6)                                  | FEP<br>(.190)                              | .037                      | 75               | 19.5                  | -70 to +200                                   | 1,700                                 |
| RG-59/U Type<br>Plenum Triax              | 88232    | 6.51     | Belden                     | 1/.032" BC<br>(32.8)                                   | FFEP<br>(.140)                  | Inner<br>None/95% BC<br>(2.6)<br>None/95% BC<br>(2.6) | Inner FEP<br>(.188)<br>Outer FEP<br>(.245) | .060                      | 75               | 16.9                  | -40 to +200                                   | 300                                   |
| RG-59/U Type<br>Precision Video<br>Plenum | 88281    | 6.43     | Belden                     | 1/.032" BC<br>(9.9)                                    | FEP<br>(.185)                   | None/98% TC<br>None/96% TC<br>(1.1)                   | PVDF<br>(.271)                             | .082                      | 75               | 19.0                  | -20 to +150                                   | 1,900                                 |
| RG-59/U Type<br>Plenum                    | 89108    | 6.18     | Belden                     | 1/.032" BCCS<br>(26.0)                                 | FFEP<br>(.140)                  | DF/96% TC<br>(2.6)                                    | FEP<br>(.203)                              | .035                      | 75               | 16.5                  | -70 to +200                                   | 300                                   |
| RG-59/U Type<br>Plenum                    | 89259    | 6.36     | Belden                     | 7/.030" BC<br>(15.0)                                   | FFEP<br>(.135)                  | None/95% BC<br>(2.6)                                  | FEP<br>(.193)                              | .036                      | 75               | 17.3                  | -70 to +200                                   | 300                                   |
| RG-59/U Type<br>Dual Plenum               | 89555    | 6.84     | Belden                     | 1/.023" BCCS<br>(50.0)                                 | FEP<br>(.134)                   | None/97% BC<br>(2.6)                                  | FEP<br>(.212 x .424)                       | .085                      | 75               | 19.5                  | -70 to +200                                   | 1,700                                 |
| <b>RG-62 Type</b>                         |          |          |                            |  |                                 |   |  |                           |                  |                       |   |                                       |
| RG-62/U Type                              | 8254     | 6.85     | JAN-C-17A                  | 1/.025" BCCS<br>(41.2)                                 | SSPE<br>(.146)                  | None/95% BC<br>(2.9)                                  | PVC<br>(.238)                              | .033                      | 93               | 13.5                  | -40 to +80                                    | 750                                   |
| RG-62B/U Type                             | 8255     | 6.85     | MIL-C-17D                  | 7/.024" BCCS<br>(59.0)                                 | SSPE<br>(.146)                  | None/95% BC<br>(2.9)                                  | PVC-NC<br>(.242)                           | .032                      | 93               | 13.5                  | -40 to +80                                    | 750                                   |
| RG-62A/U Type                             | 9228     | 6.85     | Belden                     | 1/.025" BCCS<br>(41.2)                                 | SSPE<br>(.146)                  | None/95% BC<br>(2.9)                                  | HDPE<br>(.242)                             | .033                      | 93               | 13.5                  | -55 to +80                                    | 750                                   |
| RG-62A/U Type                             | 9268     | 6.85     | Belden, IBM<br>P/N 5252750 | 1/.025" BCCS<br>(41.2)                                 | SSPE<br>(.146)                  | None/95% BC<br>(2.9)                                  | PVC<br>(.260)                              | .037                      | 93               | 13.5                  | -40 to +80                                    | 750                                   |
| RG62A/U Type                              | 9269     | 6.85     | Belden, IBM<br>P/N 323921  | 1/.025" BCCS<br>(41.2)                                 | SSPE<br>(.146)                  | None/95% BC<br>(2.9)                                  | PVC<br>(.239)                              | .034                      | 93               | 13.5                  | -40 to +80                                    | 750                                   |
| RG-62/QPL<br>M17/30-RG62                  | 9862     | 6.80     | MIL-C-17G                  | 1/.025" BCCS<br>(41.2)                                 | SSPE<br>(.146)                  | None/95% BC<br>(2.9)                                  | PVC-NC<br>(.242)                           | .033                      | 93               | 13.5                  | -40 to +80                                    | 750                                   |
| RG-62/U Type<br>Plenum                    | 82262    | 6.86     | Belden                     | 1/.025" BCCS<br>(41.2)                                 | FFEP<br>(.146)                  | None/94% BC<br>(3.4)                                  | FLM<br>(.204)                              | .035                      | 93               | 12.5                  | 0 to +75                                      | 300                                   |
| RG-62/U Type<br>Plenum                    | 82269    | 6.86     | Belden                     | 1/.025" BCCS<br>(41.2)                                 | SSFEP<br>(.142)                 | None/94% BC<br>(3.4)                                  | FLM<br>(.200)                              | .035                      | 93               | 12.8                  | 0 to +75                                      | 750                                   |
| RG-62/U Type<br>Plenum                    | 86262    | 6.86     | Belden, IBM                | 1/.025" BCCS<br>(41.2)                                 | FFEP<br>(.146)                  | None/94% BC<br>(3.4)                                  | FEP<br>(.204)                              | .035                      | 93               | 12.5                  | -70 to +200                                   | 300                                   |
| RG-62/U Type<br>Plenum                    | 87269    | 6.86     | Belden                     | 1/.025" BCCS<br>(41.2)                                 | SSFEP<br>(.142)                 | None/94% BC<br>(3.4)                                  | PVDF<br>(.200)                             | .031                      | 93               | 12.8                  | -20 to +150                                   | 750                                   |
| RG-62/U Type<br>Plenum                    | 89269    | 6.86     | Belden, IBM                | 1/.025" BCCS<br>(41.2)                                 | SSFEP<br>(.142)                 | None/94% BC<br>(3.4)                                  | FEP<br>(.200)                              | .033                      | 93               | 12.8                  | -70 to +200                                   | 750                                   |
| <b>Other Misc. RG Types</b>               |          |          |                            |  |                                 |   |  |                           |                  |                       |   |                                       |
| RG-63/QPL<br>M17/31-RG63                  | 9857     | 6.80     | MIL-C-17G                  | 1/.025" BCCS<br>(41.2)                                 | SSPE<br>(.285)                  | None/97% BC<br>(1.2)                                  | PVC-NC<br>(.405)                           | .078                      | 125              | 9.7                   | -40 to +80                                    | 750                                   |
| RG-71/QPL<br>M17/90-RG71                  | 9169     | 6.80     | MIL-C-17G                  | 1/.025" BCCS<br>(41.2)                                 | SSPE<br>(.146)                  | None/95% BC<br>None/95% TC<br>(1.5)                   | PE<br>(.245)                               | .042                      | 93               | 13.5                  | -55 to +80                                    | 750                                   |

\*Inner conductors are entered as: number of strands/strand diameter (in inches).

See page 6.15 for key to abbreviations used in this table.



## RG Coaxial and Triaxial Reference Guide

### Misc. RG Types and Miniature Coax

| Cable Designation                       | Part No. | Page No. | Spec. Reference | Conductor Stranding/<br>Dia. & Type*<br>(DCR/1000 Ft.) | Insulation Material<br>(OD in.) | Shield Type<br>Tape/Braid<br>(DCR/1000 Ft.) | Jacket Material<br>(OD in.) | Nom. Weight<br>(Lbs./Ft.) | Nom. Imp.<br>(Ω) | Nom. Cap.<br>(pF/Ft.) | Suggested Operating<br>Temp. Range<br>(°C) UL | Max. Oper.<br>Voltage<br>(RMS)<br>Non UL |
|---|----------|----------|-----------------|--|---------------------------------|---|-----------------------------|---------------------------|------------------|-----------------------|---|--|
| <b>Other Misc. RG Types</b> (continued) |          |          |                 |  |                                 |   |                             |                           |                  |                       |   |  |
| RG-122/U QPL<br>M17/157-00001           | 9252     | 6.76     | MIL-C-17G       | 27/.030" TC<br>(17.1)                                  | PE<br>(.096)                    | None/95% TC<br>(5.2)                        | PVC-NC<br>(.160)            | .017                      | 50               | 30.8                  | -40 to +80                                    | 1,400                                    |
| RG-142B/U QPL<br>M17/158-00001          | 83242    | 6.77     | MIL-C-17G       | 1/0.037" SCCS<br>(19.3)                                | TFE<br>(.116)                   | None/96% SC<br>None/96% SC<br>(2.3)         | FEP<br>(.195)               | .043                      | 50               | 29.0                  | -70 to +200                                   | 1,400                                    |
| RG-142/ QPL<br>M17/60-RG142             | 84142    | 6.77     | MIL-C-17G       | 1/0.037" SCCS<br>(19.3)                                | TFE<br>(.116)                   | None/96% SC<br>None/96% SC<br>(2.3)         | FEP<br>(.195)               | .043                      | 50               | 29.0                  | -70 to +200                                   | 1,400                                    |
| RG-174/U Type<br>RF100                  | 7805     | 6.59     | Belden          | 1/.018" BC<br>(32.0)                                   | PE<br>(.061)                    | DF/90% TC<br>(9.1)                          | PVC<br>(.110)               | .010                      | 50               | 31.2                  | -40 to +75                                    | 1,100                                    |
| RG-174/U Type<br>RF 100 Low Loss        | 7805R    | 6.59     | Belden          | 1/0.0195" BC<br>(27.3)                                 | FPE<br>(.060)                   | DF/90% TC<br>(9.4)                          | PVC<br>(.110)               | .010                      | 50               | 26.2                  | -40 to +75                                    | 300                                      |
| RG-174/U Type                           | 8216     | 6.67     | MIL-C-17F       | 7/.019" BCCS<br>(97.0)                                 | PE<br>(.060)                    | None/90% TC<br>(10.7)                       | PVC<br>(.110)               | .008                      | 50               | 30.8                  | -40 to +75                                    | 1,100                                    |
| RG-174/U Type                           | 9239     | 6.82     | Belden          | 7/.019" BCCS<br>(97.0)                                 | PE<br>(.044)                    | None/90% TC<br>(14.0)                       | PVC<br>(.101)               | .008                      | 50               | 38.0                  | -40 to +60                                    | 1,100                                    |
| RG-178B/U QPL<br>M17/169-00001          | 83265    | 6.76     | MIL-C-17G       | 7/.012" SPCCS<br>(244.0)                               | TFE<br>(.033)                   | None/95% SPC<br>(14.6)                      | FEP<br>(.071)               | .005                      | 50               | 29.0                  | -70 to +200                                   | 750                                      |
| RG-179/QPL<br>M17/94-RG179              | 83264    | 6.79     | MIL-C-17G       | 7/.012" SPCCS<br>(244.0)                               | TFE<br>(.062)                   | None/94% SPC<br>(8.5)                       | FEP<br>(.100)               | .010                      | 75               | 19.5                  | -70 to +200                                   | 900                                      |
| RG-180/QPL<br>M17/95-RG180              | 83266    | 6.80     | MIL-C-17G       | 7/.012" SPCCS<br>(244.0)                               | TFE<br>(.102)                   | None/91% SPC<br>(6.5)                       | FEP<br>(.141)               | .018                      | 95               | 15.0                  | -70 to +200                                   | 1,100                                    |
| RG-187A/U Type                          | 83267    | 6.84     | MIL-C-17D       | 7/.012" SPCCS<br>(244.0)                               | TFE<br>(.063)                   | None/95% SPC<br>(8.6)                       | TFE-T<br>(.103)             | .010                      | 75               | 19.5                  | -70 to +200                                   | 900                                      |
| RG-188A/U Type                          | 83269    | 6.67     | MIL-C-17D       | 7/.020" SPCCS<br>(91.2)                                | TFE<br>(.058)                   | None/96% SPC<br>(8.5)                       | TFE-T<br>(.098)             | .011                      | 50               | 29.0                  | -70 to +200                                   | 900                                      |
| RG-212/U QPL<br>M17/162-00001           | 9861     | 6.78     | MIL-C-17G       | 1/0.056" SPC<br>(3.3)                                  | PE<br>(.185)                    | None/95% SPC<br>None/95% SC<br>(1.1)        | PVC-NC<br>(.332)            | .081                      | 50               | 30.8                  | -50 to +80                                    | 2,200                                    |
| RG-213/U QPL<br>M17/163-00001           | 8267     | 6.78     | MIL-C-17G       | 7/.089" BC<br>(1.7)                                    | PE<br>(.285)                    | None/96% BC<br>(1.2)                        | PVC-NC<br>(.405)            | .102                      | 50               | 30.8                  | -40 to +80                                    | 3,700                                    |
| RG-214/U QPL<br>M17/164-00001           | 8268     | 6.78     | MIL-C-17G       | 7/.089" SPC<br>(1.7)                                   | PE<br>(.285)                    | None/97% SPC<br>None/97% SPC<br>(.7)        | PVC-NC<br>(.425)            | .128                      | 50               | 30.8                  | -40 to +80                                    | 3,700                                    |
| RG-216/QPL<br>M17/77-RG216              | 9850     | 6.79     | MIL-C-17G       | 7/.048" TC<br>(6.1)                                    | PE<br>(.285)                    | None/95% BC<br>None/95% BC<br>(.8)          | PVC-NC<br>(.425)            | .122                      | 75               | 20.5                  | -40 to +80                                    | 3,700                                    |
| RG-223/U QPL<br>M17/167-00001           | 9273     | 6.77     | MIL-C-17G       | 1/0.034" SCC<br>(8.8)                                  | PE<br>(.117)                    | None/95% SCC<br>None/95% SCC<br>(2.5)       | PVC-NC<br>(.212)            | .036                      | 50               | 30.8                  | -40 to +60                                    | 1,400                                    |
| RG-303/QPL<br>M17/111-RG303             | 84303    | 6.77     | MIL-C-17G       | 1/0.037" SPCCS<br>(16.3)                               | TFE<br>(.116)                   | None/95% SCC<br>(4.3)                       | FEP<br>(.170)               | .030                      | 50               | 29.0                  | -70 to +200                                   | 1,400                                    |
| RG-316/U QPL<br>M17/172-00001           | 83284    | 6.76     | MIL-C-17G       | 7/.020" SPCCS<br>(84.1)                                | TFE<br>(.058)                   | None/95% SPC<br>(6.5)                       | FEP<br>(.098)               | .010                      | 50               | 29.0                  | -70 to +200                                   | 900                                      |
| RG-316/QPL<br>M17/113-RG316             | 84316    | 6.76     | MIL-C-17G       | 7/.020" SPCCS<br>(84.1)                                | TFE<br>(.058)                   | None/95% SPC<br>(6.5)                       | FEP<br>(.098)               | .010                      | 50               | 29.0                  | -70 to +200                                   | 900                                      |
| <b>Miniature Coax</b>                   |          |          |                 |  |                                 |   |                             |                           |                  |                       |   |  |
| Miniature Coax                          | 8218     | 6.34     | Belden          | 7/.017" BCCS<br>(120.0)                                | PE<br>(.100)                    | None/93% TC<br>(5.7)                        | PVC<br>(.150)               | .014                      | 75               | 20.5                  | -40 to +60                                    | 1,700                                    |
| Miniature Coax                          | 8700     | 6.82     | Belden          | 1/.013" TC<br>(66.9)                                   | PP<br>(.023)                    | None/90% BC<br>(28.7)                       | PVC<br>(.054)               | .003                      | 32               | 55.2                  | -30 to +105                                   | 300                                      |
| Miniature Coax                          | 9221     | 6.34     | Belden          | 7/.012" TC<br>(100.0)                                  | FHDPE<br>(.058)                 | None/89% TC<br>(11.7)                       | PVC<br>(.097)               | .006                      | 75               | 17.3                  | -40 to +60                                    | 30                                       |
| Miniature<br>RG-59/U Type               | 1855A    | 6.40     | Belden          | 1/.023" BC<br>(20.1)                                   | GIFHDPE<br>(.102)               | DF/95% TC<br>(7.6)                          | PVC<br>(.159)               | .018                      | 75               | 16.3                  | -30 to +75                                    | 300                                      |
| Sub-Miniature<br>RG-59/U Type           | 1865A    | 6.40     | Belden          | 19/.021" BC<br>(27.4)                                  | GIFHDPE<br>(.094)               | DF/95% TC<br>(5.4)                          | PVC<br>(.150)               | .014                      | 75               | 16.5                  | -40 to +75                                    | 300                                      |

\*Inner conductors are entered as: number of strands/strand diameter (in inches).

See page 6.15 for key to abbreviations used in this table.



# RG Coaxial and Triaxial Reference Guide

## Bundled Coax

| Cable Designation                  | Part No.      | No. of Coax | Page No. | Spec. Reference | Conductor Stranding/<br>Dia. & Type*<br>(DCR/1000 Ft.) | Insulation Material<br>(OD in.) | Shield Type<br>Tape/Braid<br>(DCR/1000 Ft.) | Jacket Material<br>(OD in.) | Nom. Weight<br>(Lbs./Ft.) | Nom. Imp.<br>( $\Omega$ ) | Nom. Cap.<br>(pF/Ft.) | Suggested Operating<br>Temp. Range<br>(°C) UL | Max. Oper.<br>Voltage<br>(RMS)<br>Non UL |
|------------------------------------|---------------|-------------|----------|-----------------|--|---------------------------------|---|-----------------------------|---------------------------|---------------------------|-----------------------|---|--|
| <b>Bundled Coax</b>                |               |             |          |                 |  |                                 |   |                             |                           |                           |                       |   |  |
| Bundled Coax Sub-Miniature RGB     | <b>1520A</b>  | 3           | 6.47     | Belden          | 7/.012" TC (100.0)                                     | FHDPE (.056)                    | DF/90% TC (9.5)                             | PVC (.283)                  | .042                      | 75                        | 17.3                  | -40 to +60                                    | 300                                      |
| Bundled Coax Sub-Miniature RGB     | <b>1521A</b>  | 4           | 6.47     | Belden          | 7/.012" TC (100.0)                                     | FHDPE (.056)                    | DF/90% TC (9.5)                             | PVC (.310)                  | .050                      | 75                        | 17.3                  | -40 to +60                                    | 300                                      |
| Bundled Coax Sub-Miniature RGB     | <b>1522A</b>  | 5           | 6.47     | Belden          | 7/.012" TC (100.0)                                     | FHDPE (.056)                    | DF/90% TC (9.5)                             | PVC (.338)                  | .058                      | 75                        | 17.3                  | -40 to +60                                    | 300                                      |
| Bundled Coax Miniature RGB         | <b>1406B</b>  | 3           | 6.47     | Belden          | 7/.019" BC (41.5)                                      | FHDPE (.090)                    | DF/93% TC (8.6)                             | PVC (.388)                  | .064                      | 75                        | 17.3                  | -40 to +60                                    | 300                                      |
| Bundled Coax Miniature RGB         | <b>1407B</b>  | 4           | 6.47     | Belden          | 7/.019" BC (41.5)                                      | FHDPE (.090)                    | DF/93% TC (8.6)                             | PVC (.455)                  | .088                      | 75                        | 17.3                  | -40 to +60                                    | 300                                      |
| Bundled Coax Miniature RGB         | <b>1417B</b>  | 5           | 6.47     | Belden          | 7/.019" BC (41.5)                                      | FHDPE (.090)                    | DF/93% TC (8.6)                             | PVC (.477)                  | .102                      | 75                        | 17.3                  | -40 to +60                                    | 300                                      |
| Bundled Coax RGB                   | <b>1164B</b>  | 3           | 6.48     | Belden          | 7/.019" BC (41.5)                                      | FHDPE (.090)                    | DF/93% TC (8.6)                             | PVC (.388)                  | .066                      | 75                        | 17.3                  | -40 to +60                                    | 300                                      |
| Bundled Coax RGB                   | <b>1167B</b>  | 4           | 6.48     | Belden          | 7/.019" BC (41.5)                                      | FHDPE (.090)                    | DF/93% TC (8.6)                             | PVC (.455)                  | .090                      | 75                        | 17.3                  | -40 to +60                                    | 300                                      |
| Bundled Coax RGB                   | <b>1418B</b>  | 5           | 6.48     | Belden          | 7/.019" BC (41.5)                                      | FHDPE (.090)                    | DF/93% TC (8.6)                             | PVC (.477)                  | .104                      | 75                        | 17.3                  | -40 to +60                                    | 300                                      |
| Bundled Coax RGB                   | <b>1277R</b>  | 3           | 6.48     | Belden          | 1/.018" TC (34.0)                                      | FPFA (.074)                     | DB/95% TC (5.4)                             | PVC (.320)                  | .048                      | 75                        | 17.0                  | -40 to +75                                    | 300                                      |
| Bundled Coax RGB                   | <b>1278R</b>  | 4           | 6.48     | Belden          | 1/.018" TC (34.0)                                      | FPFA (.074)                     | DB/95% TC (5.4)                             | PVC (.351)                  | .060                      | 75                        | 17.0                  | -40 to +75                                    | 300                                      |
| Bundled Coax RGB                   | <b>1279R</b>  | 5           | 6.48     | Belden          | 1/.018" TC (34.0)                                      | FPFA (.074)                     | DB/95% TC (5.4)                             | PVC (.403)                  | .080                      | 75                        | 17.0                  | -40 to +75                                    | 300                                      |
| Bundled Coax RGB                   | <b>1280R</b>  | 6           | 6.48     | Belden          | 1/.018" TC (34.0)                                      | FPFA (.074)                     | DB/95% TC (5.4)                             | PVC (.423)                  | .087                      | 75                        | 17.0                  | -40 to +75                                    | 300                                      |
| Bundled Coax RGB Plenum            | <b>1277P</b>  | 3           | 6.48     | Belden          | 1/.018" TC (34.0)                                      | FPFA (.074)                     | DB/95% TC (5.4)                             | PVC (.276)                  | .043                      | 75                        | 16.8                  | -20 to +75                                    | 300                                      |
| Bundled Coax RGB Plenum            | <b>1278P</b>  | 4           | 6.48     | Belden          | 1/.018" TC (34.0)                                      | FPFA (.074)                     | DB/95% TC (5.4)                             | PVC (.304)                  | .053                      | 75                        | 16.8                  | -20 to +75                                    | 300                                      |
| Bundled Coax RGB Plenum            | <b>1279P</b>  | 5           | 6.48     | Belden          | 1/.018" TC (34.0)                                      | FPFA (.074)                     | DB/95% TC (5.4)                             | PVC (.335)                  | .068                      | 75                        | 16.8                  | -20 to +75                                    | 300                                      |
| Bundled Coax RGB Plenum            | <b>1280P</b>  | 6           | 6.48     | Belden          | 1/.018" TC (34.0)                                      | FPFA (.074)                     | DB/95% TC (5.4)                             | PVC (.369)                  | .079                      | 75                        | 16.8                  | -20 to +75                                    | 300                                      |
| Bundled Coax RGB BananaPeel®       | <b>1281S3</b> | 3           | 6.49     | Belden          | 1/.018" TC (34.0)                                      | GIFHDPE (.074)                  | DB/95% TC (5.4)                             | PVC (.246)                  | .031                      | 75                        | 17.0                  | -40 to +75                                    | 300                                      |
| Bundled Coax RGB BananaPeel        | <b>1281S4</b> | 4           | 6.49     | Belden          | 1/.018" TC (34.0)                                      | GIFHDPE (.074)                  | DB/95% TC (5.4)                             | PVC (.275)                  | .044                      | 75                        | 17.0                  | -40 to +75                                    | 300                                      |
| Bundled Coax RGB BananaPeel        | <b>1281S5</b> | 5           | 6.49     | Belden          | 1/.018" TC (34.0)                                      | GIFHDPE (.074)                  | DB/95% TC (5.4)                             | PVC (.308)                  | .055                      | 75                        | 17.0                  | -40 to +75                                    | 300                                      |
| Bundled Coax RGB BananaPeel        | <b>1281S6</b> | 6           | 6.49     | Belden          | 1/.018" TC (34.0)                                      | GIFHDPE (.074)                  | DB/95% TC (5.4)                             | PVC (.342)                  | .068                      | 75                        | 17.0                  | -40 to +75                                    | 300                                      |
| Bundled Coax RGB BananaPeel Plenum | <b>1282S3</b> | 3           | 6.49     | Belden          | 1/.018" TC (34.0)                                      | FPFA (.075)                     | DB/95% TC (5.4)                             | FLM (.246)                  | .034                      | 75                        | 16.8                  | -20 to +75                                    | 300                                      |
| Bundled Coax RGB BananaPeel Plenum | <b>1282S4</b> | 4           | 6.49     | Belden          | 1/.018" TC (34.0)                                      | FPFA (.075)                     | DB/95% TC (5.4)                             | FLM (.275)                  | .049                      | 75                        | 16.8                  | -20 to +75                                    | 300                                      |
| Bundled Coax RGB BananaPeel Plenum | <b>1282S5</b> | 5           | 6.49     | Belden          | 1/.018" TC (34.0)                                      | FPFA (.075)                     | DB/95% TC (5.4)                             | FLM (.308)                  | .067                      | 75                        | 16.8                  | -20 to +75                                    | 300                                      |
| Bundled Coax RGB BananaPeel Plenum | <b>1282S6</b> | 6           | 6.49     | Belden          | 1/.018" TC (34.0)                                      | FPFA (.075)                     | DB/95% TC (5.4)                             | FLM (.342)                  | .080                      | 75                        | 16.8                  | -20 to +75                                    | 300                                      |

\*Inner conductors are entered as: number of strands/strand diameter (in inches).

See page 6.15 for key to abbreviations used in this table.



# RG Coaxial and Triaxial Reference Guide

## Bundled and S-Video Coax

| Cable Designation                               | Part No. | No. of Coax | Page No. | Spec. Reference | Conductor Stranding/Dia. & Type* (DCR/1000 Ft.) | Insulation Material (OD in.) | Shield Type Tape/Braid (DCR/1000 Ft.) | Jacket Material (OD in.) | Nom. Weight (Lbs./Ft.) | Nom. Imp. (Ω) | Nom. Cap. (pF/Ft.) | Suggested Operating Temp. Range (°C) UL | Max. Oper. Voltage (RMS) Non UL |
|---|----------|-------------|----------|-----------------|---|------------------------------|---------------------------------------|--------------------------|------------------------|---------------|--------------------|---|---------------------------------|
| <b>Bundled Coax (continued)</b>                 |          |             |          |                 |   |                              |                                       |                          |                        |               |                    |   |                                 |
| RG-6 Type Bundled SDI Coax                      | 7710A    | 3           | 6.46     | Belden          | 1/.040" BC (6.4)                                | GIFPE (.180)                 | DF/95% TC (3.0)                       | PVC-M (.770)             | .234                   | 75            | 16.2               | -40 to +75                              | 300                             |
| RG-6 Type Bundled SDI Coax                      | 7711A    | 4           | 6.46     | Belden          | 1/.040" BC (6.4)                                | GIFPE (.180)                 | DF/95% TC (3.0)                       | PVC-M (.900)             | .303                   | 75            | 16.2               | -40 to +75                              | 300                             |
| RG-6 Type Bundled SDI Coax                      | 7712A    | 5           | 6.46     | Belden          | 1/.040" BC (6.4)                                | GIFPE (.180)                 | DF/95% TC (3.0)                       | PVC-M (.970)             | .371                   | 75            | 16.2               | -40 to +75                              | 300                             |
| RG-6 Type Bundled SDI Coax                      | 7713A    | 10          | 6.46     | Belden          | 1/.040" BC (6.4)                                | GIFPE (.180)                 | DF/95% TC (3.0)                       | PVC-M (1.386)            | .772                   | 75            | 16.2               | -40 to +75                              | 300                             |
| RG-59/U Type Bundled (Miniature)                | 7787A    | 3           | 6.45     | Belden          | 1/.023" BC (20.1)                               | GIFHDPE (.102)               | DF/95% TC (7.6)                       | PVC (.432)               | .081                   | 75            | 16.5               | -35 to +75                              | 300                             |
| RG-59/U Type Bundled (Miniature)                | 7788A    | 4           | 6.45     | Belden          | 1/.023" BC (20.1)                               | GIFHDPE (.102)               | DF/95% TC (7.6)                       | PVC (.481)               | .106                   | 75            | 16.5               | -35 to +75                              | 300                             |
| RG-59/U Type Bundled (Miniature)                | 7789A    | 5           | 6.45     | Belden          | 1/.023" BC (20.1)                               | GIFHDPE (.102)               | DF/95% TC (7.6)                       | PVC (.539)               | .133                   | 75            | 16.5               | -35 to +75                              | 300                             |
| RG-59/U Type Bundled (Miniature)                | 7790A    | 6           | 6.45     | Belden          | 1/.023" BC (20.1)                               | GIFHDPE (.102)               | DF/95% TC (7.6)                       | PVC (.597)               | .163                   | 75            | 16.5               | -35 to +75                              | 300                             |
| RG-59/U Type Bundled (Miniature)                | 7791A    | 12          | 6.45     | Belden          | 1/.023" BC (20.1)                               | GIFHDPE (.102)               | DF/95% TC (7.6)                       | PVC (.796)               | .280                   | 75            | 16.5               | -35 to +75                              | 300                             |
| RG-59/U Type Bundled (Miniature)                | 7792A    | 12          | 6.45     | Belden          | 1/.023" BC (20.1)                               | GIFHDPE (.102)               | DF/95% TC (7.6)                       | PVC (.825)               | .336                   | 75            | 16.5               | -35 to +75                              | 300                             |
| RG-59/U Type Bundled                            | 7794A    | 3           | 6.45     | Belden          | 1/.032" BC (10.0)                               | GIFHDPE (.145)               | DF/95% TC (3.8)                       | PVC (.631)               | .084                   | 75            | 16.3               | -35 to +75                              | 300                             |
| RG-59/U Type Bundled                            | 7795A    | 4           | 6.45     | Belden          | 1/.032" BC (10.0)                               | GIFHDPE (.145)               | DF/95% TC (3.8)                       | PVC (.706)               | .190                   | 75            | 16.3               | -35 to +75                              | 300                             |
| RG-59/U Type Bundled                            | 7796A    | 5           | 6.45     | Belden          | 1/.032" BC (10.0)                               | GIFHDPE (.145)               | DF/95% TC (3.8)                       | PVC (.790)               | .238                   | 75            | 16.3               | -35 to +75                              | 300                             |
| RG-59/U Type Bundled                            | 7798A    | 10          | 6.45     | Belden          | 1/.032" BC (10.0)                               | GIFHDPE (.145)               | DF/95% TC (3.8)                       | PVC (1.166)              | .501                   | 75            | 16.3               | -35 to +75                              | 300                             |
| RG-59/U Type Bundled RGB Coax BananaPeel Plenum | 1283S3   | 3           | 6.46     | Belden          | 1/.032" TC (10.0)                               | FFEP (.133)                  | DF/95% TC (3.8)                       | PVC (.422)               | .103                   | 75            | 16.2               | -20 to +75                              | 300                             |
| RG-59/U Type Bundled RGB Coax BananaPeel Plenum | 1283S5   | 5           | 6.46     | Belden          | 1/.032" TC (10.0)                               | FFEP (.133)                  | DF/95% TC (3.8)                       | PVC (.529)               | .174                   | 75            | 16.2               | -20 to +75                              | 300                             |
| RG-59/U Type Bundled RGB Coax BananaPeel Plenum | 1283S6   | 6           | 6.46     | Belden          | 1/.032" TC (10.0)                               | FFEP (.133)                  | DF/95% TC (3.8)                       | PVC (.588)               | .209                   | 75            | 16.2               | -20 to +75                              | 300                             |
| <b>S-Video Coax</b>                             |          |             |          |                 |   |                              |                                       |                          |                        |               |                    |   |                                 |
| Parallel Coax S-Video Plenum                    | 7700A    | 2           | 6.50     | Belden          | 7/.012" TC (100.0)                              | FFEP (.053)                  | None/98% TC (7.5)                     | FLM (.107 x .214)        | .017                   | 75            | 17.3               | -20 to +60                              | 300                             |
| Parallel Coax S-Video High-Flex                 | 1807A    | 2           | 6.50     | Belden          | 7/.012" TC (100.0)                              | FHDPE (.056)                 | None/90% TC (7.5)                     | PVC (.110 x .230)        | .013                   | 75            | 17.3               | -40 to +75                              | 300                             |
| Round S-Video High-Flex Design                  | 1808A    | 2           | 6.50     | Belden          | 7/.012" TC (100.0)                              | FHDPE (.056)                 | None/90% TC (7.5)                     | PVC (.255)               | .031                   | 75            | 17.3               | -40 to +75                              | 300                             |

\*Inner conductors are entered as: number of strands/strand diameter (in inches).

**Conductor Abbreviations**

BC = Bare Copper  
 BCCA = Bare Copper-covered Aluminum  
 CCS = Copper-clad Steel  
 SC = Silver-coated Copper  
 SCA = Silver-coated Alloy  
 SCCS = Silver-coated Copper-covered Steel  
 SPC = Silver-plated Copper  
 SPCCS = Silver-plated Copper-covered Steel  
 TC = Tinned Copper

**Braid Abbreviations**

AL = Aluminum  
 BC = Bare Copper  
 CT = Copper-Tin Composite  
 SC = Silver-coated Copper  
 SPC = Silver-plated Copper  
 TC = Tinned Copper

**Tape Abbreviations**

BB = Bonded Beldfoil®  
 BF = Beldfoil  
 DB = Duobond®  
 DBII = Duobond II  
 DBIII = Duobond III  
 DBIV = Duobond IV  
 DB+ = Duobond Plus®  
 DF = Duofoil®  
 F = Foil

**Insulation Abbreviations**

FEP = Fluorinated Ethylene Propylene  
 FPEP = Foam FEP  
 FHDPE = Foam High-Density Polyethylene  
 FPE = Foam Polyethylene  
 FRSFPE = Flame-retardant Semi-foam Polyethylene  
 GIFHDPE = Gas-injected Foam High-Density Polyethylene  
 GIFPE = Gas-injected Foam Polyethylene  
 PE = Solid Polyethylene  
 PP = Solid Polypropylene  
 SSFEP = Semi-solid FEP  
 SSPE = Semi-solid Polyethylene  
 TFE = Tetrafluoroethylene

**Jacket Abbreviations**

BELFX = Belflex®  
 FCP = Fluorocopolymer  
 FEP = Fluorinated Ethylene Propylene  
 FG = Fiberglass  
 FLM = Flamarrist®  
 H = Hypalon®  
 HDPE = High-density Polyethylene  
 LSZH = Low-Smoke, Zero-Halogen  
 PE = Polyethylene  
 PVC = Polyvinyl Chloride  
 PVC-M = Matte finish Polyvinyl Chloride  
 PVC-NC = Non-contaminating Polyvinyl Chloride  
 TFE-T = Tetrafluoroethylene Tape Wrap

Hypalon is a DuPont trademark.

For information on coaxial cables not listed in this table, or for a comprehensive Connector Cross-Reference, please contact Belden Electronics Division, Technical Support at: **1-800-BELDEN-1**.



For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

# Broadband Coax

## MATV Cables

### Series 59

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 59 • 20 AWG** Solid .032" Bare Copper-covered Steel Conductor • Foil + Braid Shield (40% Coverage)

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|      |             |                 |                     |         |      |      |                |      |      |                               |      |      |    |     |      |      |                                |  |  |
|------|-------------|-----------------|---------------------|---------|------|------|----------------|------|------|-------------------------------|------|------|----|-----|------|------|--------------------------------|--|--|
| 80°C | <b>9275</b> | NEC:<br>CATV CM | U-500               | U-152.4 | 12.0 | 5.5  | 20 AWG (solid) | .144 | 3.66 | Duofoil® + 40% Aluminum Braid | .237 | 6.02 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92         |  |  |
|      |             | CEC:<br>CM      | U-1000 <sup>▲</sup> | U-304.8 | 23.0 | 10.4 | .032" BCCS     |      |      |                               |      |      |    |     |      |      | Sweep tested 5 MHz to 550 MHz. |  |  |
|      |             |                 |                     |         |      |      | 44.5Ω/M'       |      |      |                               |      |      |    |     |      |      | 146.0Ω/km                      |  |  |

<sup>▲</sup>U-1000 ft. put-up also available in White.

|      |             |                 |                     |         |      |      |                |      |      |                                   |      |      |    |     |      |      |                              |  |  |
|------|-------------|-----------------|---------------------|---------|------|------|----------------|------|------|-----------------------------------|------|------|----|-----|------|------|------------------------------|--|--|
| 80°C | <b>9100</b> | NEC:<br>CATV CM | U-500               | U-152.4 | 12.0 | 5.5  | 20 AWG (solid) | .144 | 3.66 | Duobond® II* + 40% Aluminum Braid | .237 | 6.02 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92       |  |  |
|      |             | CEC:<br>CM      | U-1000 <sup>▲</sup> | U-304.8 | 23.0 | 10.4 | .032" BCCS     |      |      |                                   |      |      |    |     |      |      | Sweep tested 5 MHz to 1 GHz. |  |  |
|      |             |                 |                     |         |      |      | 44.5Ω/M'       |      |      |                                   |      |      |    |     |      |      | 146.0Ω/km                    |  |  |

<sup>▲</sup>U-1000 ft. put-up also available in White.

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

# Broadband Coax

## CATV Cables

### Series 59

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor<br>(stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding<br>Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp.<br>(Ω) | Nom. Vel.<br>of Prop. | Nominal Capacitance |      | Nominal Attenuation |                |             |
|-------------|----------|------------------------------|------------------|---|----------------------|----|--|-----------------|----|------------------------------------|------------|----|------------------|-----------------------|---------------------|------|---------------------|----------------|-------------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |  | Inch            | mm |                                    | Inch       | mm |                  |                       | pF/Ft.              | pF/m | MHz                 | dB/<br>100 Ft. | dB/<br>100m |

**Series 59 • 20 AWG Solid .032" Bare Copper-covered Steel Conductor • Duobond® + Aluminum Braid(s) Shield (67% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|      |             |                               |  |                  |              |              |   |      |      |   |      |      |    |     |      |      |                           |  |  |
|------|-------------|-------------------------------|--|------------------|--------------|--------------|---|------|------|---|------|------|----|-----|------|------|---------------------------|--|--|
| 80°C | <b>9104</b> | NEC:<br>CATV CM<br>CEC:<br>CM | U-1000 <sup>▲</sup><br>1000 <sup>▲</sup> | U-304.8<br>304.8 | 24.0<br>24.0 | 10.9<br>10.9 | 20 AWG<br>(solid)<br>.032"<br>BCCS<br>44.5Ω/M'<br>146.0Ω/km | .144 | 3.66 | Duobond II*<br>+ 67%<br>Aluminum<br>Braid<br>12.0Ω/M'<br>39.4Ω/km | .237 | 6.02 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
|------|-------------|-------------------------------|--|------------------|--------------|--------------|---|------|------|---|------|------|----|-----|------|------|---------------------------|--|--|

<sup>▲</sup>U-1000 ft. put-ups also available in Beige and White.  
<sup>▲</sup>1000 ft. put-up available in Black only.

|      |              |   |                   |       |      |      |   |      |      |   |      |      |    |     |      |      |                           |  |  |
|------|--------------|---|-------------------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|---------------------------|--|--|
| 80°C | <b>9104N</b> | — | 1000 <sup>*</sup> | 304.8 | 24.0 | 10.9 | 20 AWG<br>(solid)<br>.032"<br>BCCS<br>44.5Ω/M'<br>146.0Ω/km | .144 | 3.66 | Duobond II*<br>+ 67%<br>Aluminum<br>Braid<br>12.0Ω/M'<br>39.4Ω/km | .237 | 6.02 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
|------|--------------|---|-------------------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|---------------------------|--|--|

<sup>\*</sup>1000 ft. put-up also available in White.

**Plenum • Foam FEP Teflon® Insulation • Natural Flamarrest® Jacket**

|      |              |                                  |                   |       |      |      |   |      |      |   |      |      |    |     |      |      |  |   |  |                              |  |
|------|--------------|----------------------------------|-------------------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|--|---|--|------------------------------|--|
| 75°C | <b>9104P</b> | NEC:<br>CATVP CMP<br>CEC:<br>CMP | 1000 <sup>†</sup> | 304.8 | 24.0 | 10.9 | 20 AWG<br>(solid)<br>.032"<br>BCCS<br>44.5Ω/M'<br>146.0Ω/km | .140 | 3.56 | Duobond II*<br>+ 67%<br>Aluminum<br>Braid<br>12.0Ω/M'<br>39.4Ω/km | .203 | 5.16 | 75 | 83% | 16.3 | 53.5 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .4<br>.8<br>1.8<br>2.6<br>3.8<br>5.6<br>7.6<br>8.8<br>9.4 | 1.3<br>2.6<br>5.9<br>8.5<br>12.5<br>18.4<br>24.9<br>28.9<br>30.8 | Sweep tested 5 MHz to 1 GHz. |  |
|------|--------------|----------------------------------|-------------------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|--|---|--|------------------------------|--|

**Gas-injected Foam High-Density Polyethylene Insulation • Black PVC Jacket**

|                |                            |  |      |       |      |      |   |      |      |   |                   |                   |    |     |      |      |                           |  |  |
|----------------|----------------------------|--|------|-------|------|------|---|------|------|---|-------------------|-------------------|----|-----|------|------|---------------------------|--|--|
| Aerial<br>80°C | <b>9105M</b><br><b>new</b> |  | 1000 | 304.8 | 38.0 | 17.3 | 20 AWG<br>(solid)<br>.032"<br>BCCS<br>44.5Ω/M'<br>146.0Ω/km | .144 | 3.66 | Duobond II*<br>+ 67%<br>Aluminum<br>Braid<br>12.0Ω/M'<br>39.4Ω/km | .240<br>x<br>.387 | 6.10<br>x<br>9.83 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
|----------------|----------------------------|--|------|-------|------|------|---|------|------|---|-------------------|-------------------|----|-----|------|------|---------------------------|--|--|

|      |             |                               |                     |         |      |      |   |      |      |  |      |      |    |     |      |      |                           |  |  |
|------|-------------|-------------------------------|---------------------|---------|------|------|---|------|------|--|------|------|----|-----|------|------|---------------------------|--|--|
| 80°C | <b>9110</b> | NEC:<br>CATV CM<br>CEC:<br>CM | U-1000 <sup>▲</sup> | U-304.8 | 24.0 | 10.9 | 20 AWG<br>(solid)<br>.032"<br>BCCS<br>44.5Ω/M'<br>146.0Ω/km | .144 | 3.66 | Duobond III*<br>+ 67%<br>Aluminum<br>Braid<br>12.0Ω/M'<br>39.4Ω/km | .242 | 6.15 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
|------|-------------|-------------------------------|---------------------|---------|------|------|---|------|------|--|------|------|----|-----|------|------|---------------------------|--|--|

<sup>▲</sup>U-1000 ft. put-up available in White only.

|      |              |                               |      |       |      |      |   |      |      |   |      |      |    |     |      |      |                           |  |  |
|------|--------------|-------------------------------|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|---------------------------|--|--|
| 80°C | <b>1186A</b> | NEC:<br>CATV CM<br>CEC:<br>CM | 1000 | 304.8 | 27.0 | 12.3 | 20 AWG<br>(solid)<br>.032"<br>BCCS<br>44.5Ω/M'<br>146.0Ω/km | .144 | 3.66 | Duobond IV*<br>+ 67% & 46%<br>Aluminum<br>Braids<br>7.0Ω/M'<br>23.0Ω/km | .265 | 6.73 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
|------|--------------|-------------------------------|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|---------------------------|--|--|

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

Duobond III = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage).

Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid(67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

<sup>†</sup>Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

Teflon is a DuPont trademark.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

# Broadband Coax


## CATV Cables

### Series 59

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 59 • 20 AWG Solid .032" Bare Copper-covered Steel Conductor • Duofoil® (100% Coverage) + TC Braid Shield(s) (96% Coverage)**

**Plenum • Foam FEP Teflon® Insulation • Black FEP Jacket**

|  |       |              |       |                   |       |      |      |          |      |      |          |      |      |                                |     |      |      |     |      |      |
|--|-------|--------------|-------|-------------------|-------|------|------|----------|------|------|----------|------|------|--------------------------------|-----|------|------|-----|------|------|
|  | 200°C | <b>89108</b> | NEC:  | 500 <sup>†</sup>  | 152.4 | 17.0 | 7.7  | 20 AWG   | .140 | 3.56 | Duofoil  | .203 | 5.16 | 75                             | 82% | 16.5 | 54.1 | 10  | .7   | 2.3  |
|  |       |              | CATVP | 1000 <sup>†</sup> | 304.8 | 34.0 | 15.4 | (solid)  |      |      | + 96%    |      |      |                                |     |      |      | 50  | 1.8  | 5.9  |
|  |       |              | CMP   |                   |       |      |      | .032"    |      |      | TC Braid |      |      |                                |     |      |      | 100 | 2.6  | 8.5  |
|  |       |              | CEC:  |                   |       |      |      | BCCS     |      |      | 2.6Ω/M'  |      |      |                                |     |      |      | 200 | 3.7  | 12.1 |
|  |       |              | CMP   |                   |       |      |      | 26.0Ω/M' |      |      | 8.5Ω/km  |      |      | Sweep tested 5 MHz to 400 MHz. |     |      |      | 400 | 5.4  | 17.7 |
|  |       |              |       |                   |       |      |      | 85.3Ω/km |      |      |          |      |      |                                |     |      |      | 700 | 7.3  | 24.0 |
|  |       |              |       |                   |       |      |      |          |      |      |          |      |      |                                |     |      |      | 900 | 8.4  | 27.6 |
|  |       |              |       |                   |       |      |      |          |      |      |          |      |      |                                |     |      | 1000 | 8.9 | 29.2 |      |

**Plenum • Foam FEP Teflon Insulation • Natural Flamarrest® Jacket**

|  |      |              |          |                     |         |      |      |          |      |      |          |      |      |                                |     |      |      |     |      |      |
|--|------|--------------|----------|---------------------|---------|------|------|----------|------|------|----------|------|------|--------------------------------|-----|------|------|-----|------|------|
|  | 75°C | <b>82108</b> | NEC:     | U-1000 <sup>†</sup> | U-304.8 | 34.0 | 15.4 | 20 AWG   | .140 | 3.56 | Duofoil  | .202 | 5.13 | 75                             | 82% | 16.5 | 54.1 | 10  | .8   | 2.6  |
|  |      |              | CATVP    | 1000 <sup>†</sup>   | 304.8   | 32.0 | 14.5 | (solid)  |      |      | + 96%    |      |      |                                |     |      |      | 50  | 1.8  | 5.9  |
|  |      |              | CMP      |                     |         |      |      | .032"    |      |      | TC Braid |      |      |                                |     |      |      | 100 | 2.6  | 8.5  |
|  |      |              | CEC:     |                     |         |      |      | BCCS     |      |      | 2.6Ω/M'  |      |      |                                |     |      |      | 200 | 3.7  | 12.1 |
|  |      |              | CMP FT6, |                     |         |      |      | 26.0Ω/M' |      |      | 8.5Ω/km  |      |      | Sweep tested 5 MHz to 400 MHz. |     |      |      | 400 | 5.4  | 17.7 |
|  |      |              | CXC FT4  |                     |         |      |      | 85.3Ω/km |      |      |          |      |      |                                |     |      |      | 700 | 7.3  | 24.0 |
|  |      |              |          |                     |         |      |      |          |      |      |          |      |      |                                |     |      |      | 900 | 8.4  | 27.6 |
|  |      |              |          |                     |         |      |      |          |      |      |          |      |      |                                |     |      | 1000 | 8.9 | 29.2 |      |

**Plenum • Foam FEP Teflon Insulation • Snow Beige FEP Jacket**

|  |       |              |         |                   |       |      |      |          |      |      |             |      |      |                                |     |      |      |     |      |      |
|--|-------|--------------|---------|-------------------|-------|------|------|----------|------|------|-------------|------|------|--------------------------------|-----|------|------|-----|------|------|
|  | 200°C | <b>1151A</b> | NEC:    | 1000 <sup>†</sup> | 304.8 | 40.0 | 18.2 | 20 AWG   | .140 | 3.56 | (2) Duofoil | .236 | 5.99 | 75                             | 84% | 16.5 | 54.1 | 10  | .8   | 2.6  |
|  |       |              | CMP     |                   |       |      |      | (solid)  |      |      | Shields     |      |      |                                |     |      |      | 50  | 1.8  | 5.9  |
|  |       |              | CEC:    |                   |       |      |      | .032"    |      |      | + (2) TC    |      |      |                                |     |      |      | 100 | 2.6  | 8.5  |
|  |       |              | CMP FT6 |                   |       |      |      | BCCS     |      |      | Braids      |      |      |                                |     |      |      | 200 | 3.7  | 12.1 |
|  |       |              |         |                   |       |      |      | 26.0Ω/M' |      |      | 2.3Ω/M'     |      |      | Sweep tested 5 MHz to 400 MHz. |     |      |      | 400 | 5.4  | 17.7 |
|  |       |              |         |                   |       |      |      | 85.3Ω/km |      |      | 7.5Ω/km     |      |      |                                |     |      |      | 700 | 7.3  | 24.0 |
|  |       |              |         |                   |       |      |      |          |      |      |             |      |      |                                |     |      |      | 900 | 8.4  | 27.6 |
|  |       |              |         |                   |       |      |      |          |      |      |             |      |      |                                |     |      | 1000 | 8.9 | 29.2 |      |

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

<sup>†</sup>Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

Teflon is a DuPont trademark.



For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com



# Broadband Coax

## CATV Cables

### Series 6

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                        | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® II + Aluminum Braid Shield (60% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

|      |             |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |                        |  |  |
|------|-------------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>9066</b> | — | 1000 | 304.8 | 26.0 | 11.8 | 18 AWG (solid)<br>.040"<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond II* + 60% Aluminum Braid<br>9.0Ω/M'<br>29.5Ω/km | .270 | 6.86 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|-------------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|------------------------|--|--|



**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|      |             |  |  |                                      |                                   |   |      |      |   |      |      |    |     |      |      |                        |  |  |
|------|-------------|--|--|--------------------------------------|-----------------------------------|---|------|------|---|------|------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>9116</b> | NEC: U-500 <sup>▲</sup><br>CATV 500 <sup>▲</sup><br>CM S-700<br>CEC: U-1000 <sup>♦</sup><br>CM 1000 <sup>▼</sup> | U-1000<br>U-152.4<br>U-213.4<br>U-304.8<br>U-304.8 | 15.0<br>16.0<br>18.2<br>30.0<br>31.0 | 6.8<br>7.3<br>8.3<br>13.6<br>14.1 | 18 AWG (solid)<br>.040"<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond II* + 60% Aluminum Braid<br>9.0Ω/M'<br>29.5Ω/km | .270 | 6.86 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|-------------|--|--|--------------------------------------|-----------------------------------|---|------|------|---|------|------|----|-----|------|------|------------------------|--|--|

\*500 ft. and U-500 ft. put-ups also available in White.  
 \*U-1000 ft. put-up also available in White, Neutral or Beige.  
 \*1000 ft. put-up also available in White or Neutral.

|      |              |  |                    |              |              |   |      |      |   |      |      |    |     |      |      |                        |  |  |
|------|--------------|--|--------------------|--------------|--------------|---|------|------|---|------|------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>9116R</b> | NEC: U-1000<br>CATVR 1000<br>CMG<br>CEC: CMG FT4 | U-304.8<br>U-304.8 | 33.0<br>34.0 | 15.0<br>15.4 | 18 AWG (solid)<br>.040"<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond II* + 60% Aluminum Braid<br>9.0Ω/M'<br>29.5Ω/km | .270 | 6.86 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|--------------|--|--------------------|--------------|--------------|---|------|------|---|------|------|----|-----|------|------|------------------------|--|--|

|      |              |                            |      |       |      |      |   |      |      |   |      |      |    |     |      |      |  |  |  |
|------|--------------|----------------------------|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|--|--|--|
| 80°C | <b>1545A</b> | NEC: CATV<br>CM<br>CEC: CM | 1000 | 304.8 | 31.0 | 14.1 | 18 AWG (solid)<br>.040"<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond II* + 60% Aluminum Braid<br>9.0Ω/M'<br>29.5Ω/km | .270 | 6.86 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92<br>Sweep tested 5 MHz to 1 GHz. |  |  |
|------|--------------|----------------------------|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|--|--|--|

|      |             |                            |      |       |      |      |   |      |      |   |                   |                    |    |     |      |      |  |  |  |
|------|-------------|----------------------------|------|-------|------|------|---|------|------|---|-------------------|--------------------|----|-----|------|------|--|--|--|
| 80°C | <b>9077</b> | NEC: CATV<br>CM<br>CEC: CM | 1000 | 304.8 | 64.0 | 29.1 | 18 AWG (solid)<br>.040"<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond II* + 60% Aluminum Braid<br>9.0Ω/M'<br>29.5Ω/km | .270<br>x<br>.590 | 6.86<br>x<br>14.99 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92<br>Sweep tested 5 MHz to 1 GHz. |  |  |
|------|-------------|----------------------------|------|-------|------|------|---|------|------|---|-------------------|--------------------|----|-----|------|------|--|--|--|

|      |              |   |      |       |      |      |   |      |      |   |                   |                    |    |     |      |      |                        |  |  |
|------|--------------|---|------|-------|------|------|---|------|------|---|-------------------|--------------------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>9117M</b> | — | 1000 | 304.8 | 44.0 | 20.0 | 18 AWG (solid)<br>.040"<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond II* + 60% Aluminum Braid<br>9.0Ω/M'<br>29.5Ω/km | .270<br>x<br>.410 | 6.86<br>x<br>10.41 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|--------------|---|------|-------|------|------|---|------|------|---|-------------------|--------------------|----|-----|------|------|------------------------|--|--|

.051" (1.3mm) galvanized steel messenger.

|      |               |   |      |       |      |      |   |      |      |   |                   |                    |    |     |      |      |  |  |  |
|------|---------------|---|------|-------|------|------|---|------|------|---|-------------------|--------------------|----|-----|------|------|--|--|--|
| 80°C | <b>1258AM</b> | — | 1000 | 304.8 | 42.0 | 19.1 | 18 AWG (solid)<br>.040"<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond II* + 60% Aluminum Braid<br>9.0Ω/M'<br>29.5Ω/km | .270<br>x<br>.410 | 6.86<br>x<br>10.41 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92<br>Sweep tested 5 MHz to 1 GHz. |  |  |
|------|---------------|---|------|-------|------|------|---|------|------|---|-------------------|--------------------|----|-----|------|------|--|--|--|

.051" (1.3mm) galvanized steel messenger.

**Gas-injected Foam Polyethylene Insulation • Black Low-Smoke, Zero-Halogen Jacket**

|      |               |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |  |  |  |
|------|---------------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|--|--|--|
| 75°C | <b>9116SB</b> | NEC: CMG-LS<br>CEC: CMG-LS FT4<br>Limited Smoke | 1000 | 304.8 | 31.0 | 14.1 | 18 AWG (solid)<br>.040"<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond II* + 60% Aluminum Braid<br>9.0Ω/M'<br>29.5Ω/km | .274 | 6.96 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92<br>Sweep tested 5 MHz to 3 GHz. |  |  |
|------|---------------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|--|--|--|

**Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket**

|      |              |                                   |                |                  |              |              |   |      |      |   |      |      |    |     |      |      |  |   |   |
|------|--------------|-----------------------------------|----------------|------------------|--------------|--------------|---|------|------|---|------|------|----|-----|------|------|--|---|---|
| 75°C | <b>9116P</b> | NEC: CATVP<br>CMP<br>CEC: CMP FT6 | U-1000<br>1000 | U-304.8<br>304.8 | 27.0<br>27.0 | 12.3<br>12.3 | 18 AWG (solid)<br>.040"<br>28.0Ω/M'<br>91.9Ω/km | .170 | 4.32 | Duobond II* + 60% Aluminum Braid<br>9.0Ω/M'<br>29.5Ω/km | .235 | 5.97 | 75 | 83% | 16.3 | 53.5 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .3<br>.7<br>1.6<br>2.2<br>3.0<br>4.6<br>6.6<br>7.7<br>8.2 | 1.0<br>2.2<br>5.3<br>7.2<br>9.8<br>15.1<br>21.7<br>25.3<br>26.9 |
|------|--------------|-----------------------------------|----------------|------------------|--------------|--------------|---|------|------|---|------|------|----|-----|------|------|--|---|---|

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene  
 Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.  
 \*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

# Broadband Coax

## CATV Cables

### Series 6

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® II + Aluminum Braid Shield (90% Coverage)**

**Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black or Neutral)**

|      |              |                                  |  |                  |              |              |                            |      |      |   |      |      |    |     |      |      |                        |  |  |
|------|--------------|----------------------------------|--|------------------|--------------|--------------|----------------------------|------|------|---|------|------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1530A</b> | NEC:<br>CATV<br>CM<br>CEC:<br>CM | U-1000 <sup>▲</sup><br>1000 <sup>▲</sup> | U-304.8<br>304.8 | 31.0<br>32.0 | 14.1<br>14.5 | 18 AWG<br>(solid)<br>.040" | .180 | 4.57 | Duobond II*<br>+ 90%<br>Aluminum<br>Braid | .270 | 6.86 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|      |              |                                  |  |                  |              |              | 28.0Ω/M'<br>91.9Ω/km       |      |      | 5.0Ω/M'<br>16.4Ω/km                       |      |      |    |     |      |      |                        |  |  |

<sup>▲</sup>1000 ft. and U-1000 ft. put-ups also available in White Neutral.

**Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket**

|      |               |   |      |       |      |      |                            |      |      |   |      |      |                              |     |      |      |  |   |   |
|------|---------------|---|------|-------|------|------|----------------------------|------|------|---|------|------|------------------------------|-----|------|------|--|---|---|
| 75°C | <b>1530AP</b> | NEC:<br>CATVP<br>CMP<br>CEC:<br>CMP FT6 | 1000 | 304.8 | 31.0 | 14.1 | 18 AWG<br>(solid)<br>.040" | .170 | 4.32 | Duobond II*<br>+ 90%<br>Aluminum<br>Braid | .235 | 5.97 | 75                           | 83% | 16.3 | 53.5 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .3<br>.7<br>1.6<br>2.2<br>3.0<br>4.6<br>6.6<br>7.7<br>8.2 | 1.0<br>2.3<br>5.3<br>7.2<br>9.8<br>15.1<br>21.7<br>25.3<br>26.9 |
|      |               |   |      |       |      |      | 28.0Ω/M'<br>91.9Ω/km       |      |      | 5.0Ω/M'<br>16.4Ω/km                       |      |      | Sweep tested 5 MHz to 1 GHz. |     |      |      |  |   |   |

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|      |               |   |      |       |      |      |                            |      |      |   |                   |                    |                              |     |      |      |                        |  |  |
|------|---------------|---|------|-------|------|------|----------------------------|------|------|---|-------------------|--------------------|------------------------------|-----|------|------|------------------------|--|--|
| 80°C | <b>1531AM</b> | — | 1000 | 304.8 | 45.0 | 20.4 | 18 AWG<br>(solid)<br>.040" | .180 | 4.57 | Duobond II*<br>+ 90%<br>Aluminum<br>Braid | .270<br>x<br>.410 | 6.86<br>x<br>10.41 | 75                           | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|      |               |   |      |       |      |      | 28.0Ω/M'<br>91.9Ω/km       |      |      | 5.0Ω/M'<br>16.4Ω/km                       |                   |                    | Sweep tested 5 MHz to 1 GHz. |     |      |      |                        |  |  |

.051" (1.3mm) galvanized steel messenger.

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

|                |              |   |      |       |      |      |                            |      |      |   |      |      |                              |     |      |      |                        |  |  |
|----------------|--------------|---|------|-------|------|------|----------------------------|------|------|---|------|------|------------------------------|-----|------|------|------------------------|--|--|
| Burial<br>80°C | <b>1532A</b> | — | 1000 | 304.8 | 27.0 | 12.3 | 18 AWG<br>(solid)<br>.040" | .180 | 4.57 | Duobond II*<br>+ 90%<br>Aluminum<br>Braid | .270 | 6.86 | 75                           | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|                |              |   |      |       |      |      | 28.0Ω/M'<br>91.9Ω/km       |      |      | 5.0Ω/M'<br>16.4Ω/km                       |      |      | Sweep tested 5 MHz to 1 GHz. |     |      |      |                        |  |  |

CoreGuard®

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

# Broadband Coax

## CATV Cables Series 6

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® III + Aluminum Braid Shield (60% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|      |             |                                  |                             |                  |              |              |   |      |      |  |           |           |    |     |      |      |                        |  |  |
|------|-------------|----------------------------------|-----------------------------|------------------|--------------|--------------|---|------|------|--|-----------|-----------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>9118</b> | NEC:<br>CATV<br>CM<br>CEC:<br>CM | U-1000 <sup>▲</sup><br>1000 | U-304.8<br>304.8 | 30.0<br>30.0 | 13.6<br>13.6 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond III*<br>+ 60%<br>Aluminum Braid<br>6.5Ω/M'<br>21.3Ω/km | .278<br>x | 7.06<br>x | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|-------------|----------------------------------|-----------------------------|------------------|--------------|--------------|---|------|------|--|-----------|-----------|----|-----|------|------|------------------------|--|--|

▲U-1000 ft. put-up also available in Beige, White and White Neutral.

|      |              |   |      |       |      |      |   |      |      |  |           |           |    |     |      |      |                        |  |  |
|------|--------------|---|------|-------|------|------|---|------|------|--|-----------|-----------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>9119M</b> | — | 1000 | 304.8 | 43.0 | 19.5 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond III*<br>+ 60%<br>Aluminum Braid<br>6.5Ω/M'<br>21.3Ω/km | .275<br>x | 6.99<br>x | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|--------------|---|------|-------|------|------|---|------|------|--|-----------|-----------|----|-----|------|------|------------------------|--|--|

.051" (1.3mm) galvanized steel messenger.

|      |              |                                  |        |         |      |      |   |      |      |  |      |      |    |     |      |      |                        |  |  |
|------|--------------|----------------------------------|--------|---------|------|------|---|------|------|--|------|------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1546A</b> | NEC:<br>CATV<br>CM<br>CEC:<br>CM | U-1000 | U-304.8 | 31.0 | 14.1 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond III*<br>+ 60%<br>Aluminum Braid<br>6.5Ω/M'<br>21.3Ω/km | .278 | 7.06 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|--------------|----------------------------------|--------|---------|------|------|---|------|------|--|------|------|----|-----|------|------|------------------------|--|--|

CoreGuard®

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

|                |              |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      |                        |  |  |
|----------------|--------------|---|------|-------|------|------|---|------|------|--|------|------|----|-----|------|------|------------------------|--|--|
| Burial<br>80°C | <b>1837A</b> | — | 1000 | 304.8 | 26.0 | 11.8 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond III*<br>+ 60%<br>Aluminum Braid<br>6.5Ω/M'<br>21.3Ω/km | .275 | 6.99 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|----------------|--------------|---|------|-------|------|------|---|------|------|--|------|------|----|-----|------|------|------------------------|--|--|

CoreGuard®

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Bonded Beldfoil® + Aluminum Braid Shield (50% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|      |                                     |   |                |                  |              |              |   |      |      |  |      |      |    |     |      |      |                        |  |  |
|------|-------------------------------------|---|----------------|------------------|--------------|--------------|---|------|------|--|------|------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>5339G5</b><br><small>new</small> | NEC:<br>CATV,<br>CMG<br>CEC:<br>CMG FT4 | U-1000<br>1000 | U-304.8<br>304.8 | 24.0<br>24.0 | 10.9<br>10.9 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Bonded Beldfoil<br>+ 50%<br>AL Braid<br>15.0Ω/M'<br>49.2Ω/km | .253 | 6.43 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|-------------------------------------|---|----------------|------------------|--------------|--------------|---|------|------|--|------|------|----|-----|------|------|------------------------|--|--|

AL = Aluminum • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond III = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage).

# Broadband Coax

## CATV Cables

### Series 6

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor(s) • Duobond® III + Aluminum Braid Shield (77% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|      |              |  |         |      |      |                         |      |      |                                   |      |      |    |     |      |      |                        |  |  |
|------|--------------|--|---------|------|------|-------------------------|------|------|-----------------------------------|------|------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1613A</b> | NEC: B-700 <sup>▲</sup><br>CATV U-1000 <sup>▲</sup><br>CM 1000<br>CEC: U-304.8<br>CM 304.8 | B-213.0 | 19.6 | 8.9  | 18 AWG (solid)<br>.040" | .180 | 4.57 | Duobond III* + 77% Aluminum Braid | .278 | 7.06 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|      |              |  | U-304.8 | 31.0 | 14.1 | 28.0Ω/M'<br>91.9Ω/km    |      |      | 5.6Ω/M'<br>18.4Ω/km               |      |      |    |     |      |      |                        |  |  |

<sup>▲</sup>B-700 also available in White. U-1000 ft. also available in White and White Neutral.

|      |               |   |      |       |      |      |                         |      |      |                                   |       |      |    |     |      |      |                        |  |  |
|------|---------------|---|------|-------|------|------|-------------------------|------|------|-----------------------------------|-------|------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1615AM</b> | — | 1000 | 304.8 | 44.0 | 20.0 | 18 AWG (solid)<br>.040" | .180 | 4.57 | Duobond III* + 77% Aluminum Braid | .275  | 6.99 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|      |               |   |      |       |      |      | 28.0Ω/M'<br>91.9Ω/km    |      |      | .416                              | 10.57 |      |    |     |      |      |                        |  |  |

.051" (1.3mm) galvanized steel messenger. Sweep tested 5 MHz to 1 GHz.

|      |               |   |      |       |      |      |                         |      |      |                                   |       |      |    |     |      |      |                        |  |  |
|------|---------------|---|------|-------|------|------|-------------------------|------|------|-----------------------------------|-------|------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1616AM</b> | — | 1000 | 304.8 | 45.0 | 20.4 | 18 AWG (solid)<br>.040" | .180 | 4.57 | Duobond III* + 77% Aluminum Braid | .275  | 6.99 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|      |               |   |      |       |      |      | 28.0Ω/M'<br>91.9Ω/km    |      |      | .416                              | 10.57 |      |    |     |      |      |                        |  |  |

CoreGuard®  
.051" (1.3mm) galvanized steel messenger. Min. bend radius for minor axis only.

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

|                       |              |   |      |       |      |      |                         |      |      |                                   |      |      |    |     |      |      |                        |  |  |
|-----------------------|--------------|---|------|-------|------|------|-------------------------|------|------|-----------------------------------|------|------|----|-----|------|------|------------------------|--|--|
| <b>Burial</b><br>80°C | <b>1614A</b> | — | 1000 | 304.8 | 27.0 | 12.3 | 18 AWG (solid)<br>.040" | .180 | 4.57 | Duobond III* + 77% Aluminum Braid | .275 | 6.99 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|                       |              |   |      |       |      |      | 28.0Ω/M'<br>91.9Ω/km    |      |      | 5.6Ω/M'<br>18.4Ω/km               |      |      |    |     |      |      |                        |  |  |

CoreGuard®

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond III = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage).

# Broadband Coax

## CATV Cables Series 6

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor(s) • Duobond Plus® + Aluminum Braid Shield (77% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|      |             |                                  |         |         |      |      |                         |      |      |                                    |      |      |    |     |      |      |                              |  |  |
|------|-------------|----------------------------------|---------|---------|------|------|-------------------------|------|------|------------------------------------|------|------|----|-----|------|------|------------------------------|--|--|
| 80°C | <b>9058</b> | NEC:<br>CATV<br>CM<br>CEC:<br>CM | U-1000* | U-304.8 | 32.0 | 14.5 | 18 AWG (solid)<br>.040" | .180 | 4.57 | Duobond Plus* + 77% Aluminum Braid | .275 | 6.99 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92       |  |  |
|      |             |                                  | 1000    | 304.8   | 31.0 | 14.1 | 28.0Ω/M'<br>91.9Ω/km    |      |      | 5.6Ω/M'<br>18.4Ω/km                |      |      |    |     |      |      | Sweep tested 5 MHz to 1 GHz. |  |  |



Shorting Fold  
\*U-1000 ft. put-up also available in White or Beige.

|      |                                    |   |      |       |      |      |                         |      |      |                                    |      |      |    |     |      |      |                              |  |  |
|------|------------------------------------|---|------|-------|------|------|-------------------------|------|------|------------------------------------|------|------|----|-----|------|------|------------------------------|--|--|
| 80°C | <b>9059M</b><br><small>new</small> | — | 1000 | 304.8 | 43.0 | 19.5 | 18 AWG (solid)<br>.040" | .180 | 4.57 | Duobond Plus* + 77% Aluminum Braid | .275 | 6.99 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92       |  |  |
|      |                                    |   |      |       |      |      | 28.0Ω/M'<br>91.9Ω/km    |      |      | 5.6Ω/M'<br>18.4Ω/km                |      |      |    |     |      |      | Sweep tested 5 MHz to 1 GHz. |  |  |



Shorting Fold CoreGuard®  
.051" (1.3mm) galvanized steel messenger.

|      |               |   |      |       |      |      |                         |      |      |                                    |      |      |    |     |      |      |                              |  |  |
|------|---------------|---|------|-------|------|------|-------------------------|------|------|------------------------------------|------|------|----|-----|------|------|------------------------------|--|--|
| 80°C | <b>1260AM</b> | — | 1000 | 304.8 | 44.0 | 20.0 | 18 AWG (solid)<br>.040" | .180 | 4.57 | Duobond Plus* + 77% Aluminum Braid | .275 | 6.99 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92       |  |  |
|      |               |   |      |       |      |      | 28.0Ω/M'<br>91.9Ω/km    |      |      | 5.6Ω/M'<br>18.4Ω/km                |      |      |    |     |      |      | Sweep tested 5 MHz to 1 GHz. |  |  |



Shorting Fold CoreGuard  
.051" (1.3mm) galvanized steel messenger.

**Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black or Orange)**

|      |             |   |      |       |      |      |                         |      |      |                                    |      |      |    |     |      |      |                              |  |  |
|------|-------------|---|------|-------|------|------|-------------------------|------|------|------------------------------------|------|------|----|-----|------|------|------------------------------|--|--|
| 80°C | <b>9062</b> | — | 1000 | 304.8 | 27.0 | 12.3 | 18 AWG (solid)<br>.040" | .180 | 4.57 | Duobond Plus* + 77% Aluminum Braid | .275 | 6.99 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92       |  |  |
|      |             |   |      |       |      |      | 28.0Ω/M'<br>91.9Ω/km    |      |      | 5.6Ω/M'<br>18.4Ω/km                |      |      |    |     |      |      | Sweep tested 5 MHz to 1 GHz. |  |  |



Shorting Fold CoreGuard

BCCS = Bare Copper-covered Steel • DCR = DC Resistance  
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.  
\*Duobond Plus = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + shorting fold.



# Broadband Coax

## CATV Cables

### Series 6

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® IV Quad Shield (60% and 40% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|      |               |   |      |       |      |      |   |      |      |   |                   |                    |    |     |      |      |                        |  |  |
|------|---------------|---|------|-------|------|------|---|------|------|---|-------------------|--------------------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1191AM</b> | — | 1000 | 304.8 | 46.0 | 20.9 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond IV*<br>60% & 40% Aluminum Braids<br>4.8Ω/M'<br>15.7Ω/km | .298<br>x<br>.433 | 7.57<br>x<br>11.00 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|---------------|---|------|-------|------|------|---|------|------|---|-------------------|--------------------|----|-----|------|------|------------------------|--|--|

.051" (1.3mm) galvanized steel messenger.

|      |                                    |   |        |         |      |      |   |      |      |   |      |      |    |     |      |      |   |  |  |
|------|------------------------------------|---|--------|---------|------|------|---|------|------|---|------|------|----|-----|------|------|---|--|--|
| 80°C | <b>1322R</b><br><small>NEW</small> | NEC: U-1000<br>CATVR, 1000<br>CMR<br>CEC: CMG FT4 | U-1000 | U-304.8 | 41.0 | 18.6 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond IV*<br>60% & 40% Aluminum Braids<br>4.8Ω/M'<br>15.7Ω/km | .298 | 7.57 | 75 | 83% | 16.2 | 53.1 | 5<br>55<br>500<br>750<br>1000<br>1450<br>1800<br>3000 | .5<br>1.4<br>4.1<br>5.1<br>6.0<br>7.4<br>8.3<br>10.5 | 1.6<br>4.6<br>13.5<br>16.7<br>19.7<br>24.3<br>27.2<br>34.5 |
|------|------------------------------------|---|--------|---------|------|------|---|------|------|---|------|------|----|-----|------|------|---|--|--|

**Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black or White)**

|      |              |  |         |      |     |   |      |      |   |      |      |    |     |      |      |                        |  |  |
|------|--------------|--|---------|------|-----|---|------|------|---|------|------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1189A</b> | NEC: U-500<br>CATV U-1000<br>CM 1000 <sup>▲</sup><br>CEC: CM | U-152.4 | 18.0 | 8.2 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond IV*<br>60% & 40% Aluminum Braids<br>4.8Ω/M'<br>15.7Ω/km | .298 | 7.57 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|--------------|--|---------|------|-----|---|------|------|---|------|------|----|-----|------|------|------------------------|--|--|

<sup>▲</sup>1000 ft. put-up also available in Beige or White Neutral.

**Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket**

|      |               |                                   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |  |   |   |
|------|---------------|-----------------------------------|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|--|---|---|
| 75°C | <b>1189AP</b> | NEC: CATVP<br>CMP<br>CEC: CMP FT6 | 1000 | 304.8 | 32.0 | 14.5 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .170 | 4.32 | Duobond IV*<br>60% & 40% Aluminum Braids<br>4.8Ω/M'<br>15.7Ω/km | .248 | 6.30 | 75 | 83% | 16.3 | 53.5 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .3<br>.7<br>1.6<br>2.2<br>3.0<br>4.6<br>6.6<br>7.7<br>8.2 | 1.0<br>2.2<br>5.3<br>7.2<br>9.8<br>15.1<br>21.7<br>25.3<br>26.9 |
|------|---------------|-----------------------------------|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|--|---|---|

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond IV = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

# Broadband Coax

## CATV Cables

### Series 6

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |             |          |
|-------------|----------|------------------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|-------------|----------|
|             |          |                        | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/ 100 Ft. | dB/ 100m |

**Series 6 • 18 AWG** Solid .040" Bare Copper-covered Steel Conductor • Duobond® IV Quad Shield (60% and 40% Coverage)

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket with CoreGuard® (Black or Orange)**

|                |       |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |                        |  |  |
|----------------|-------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|------------------------|--|--|
| Burial<br>80°C | 1190A | — | 1000 | 304.8 | 31.0 | 14.1 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond IV*<br>60% + 40%<br>Aluminum<br>Braids<br>4.8Ω/M'<br>15.7Ω/km | .298 | 7.57 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|                |       |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |                        |  |  |



CoreGuard®

**Series 6 • 18 AWG** Solid .040" Bare Copper-covered Steel Conductor • Duofoil® (100% Coverage) + TC Braid Shield (95% Coverage)

**Plenum • Foam FEP Insulation • Black FEP Jacket**

|       |       |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |    |    |     |
|-------|-------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|----|----|-----|
| 200°C | 89120 | NEC:<br>CATVP<br>CMP<br>CEC:<br>CMP FT6 | 500  | 152.4 | 21.5 | 9.8  | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .170 | 4.32 | Duofoil<br>95%<br>TC<br>Braid<br>1.7Ω/M'<br>5.6Ω/km | .234 | 5.94 | 75 | 82% | 16.5 | 54.1 | 1  | .3 | 1.0 |
|       |       |   | 1000 | 304.8 | 46.0 | 20.9 |   |      |      |   |      |      |    |     |      |      | 10 | .7 | 2.2 |



**Plenum • Foam FEP Insulation • Black Fluorocopolymer Jacket**

|       |       |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |    |    |     |
|-------|-------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|----|----|-----|
| 150°C | 87120 | NEC:<br>CATVP<br>CMP<br>CEC:<br>CMP FT6,<br>CXC FT4 | 500  | 152.4 | 20.5 | 9.3  | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .170 | 4.32 | Duofoil<br>95%<br>TC<br>Braid<br>1.7Ω/M'<br>5.6Ω/km | .234 | 5.94 | 75 | 82% | 16.5 | 54.1 | 1  | .3 | 1.0 |
|       |       |   | 1000 | 304.8 | 45.0 | 20.4 |   |      |      |   |      |      |    |     |      |      | 10 | .7 | 2.2 |



**Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket**

|      |       |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |    |    |     |
|------|-------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|----|----|-----|
| 75°C | 82120 | NEC:<br>CATVP<br>CMP<br>CEC:<br>CMP FT6 | 1000 | 304.8 | 44.0 | 20.0 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .170 | 4.32 | Duofoil<br>95%<br>TC<br>Braid<br>1.7Ω/M'<br>5.6Ω/km | .234 | 5.94 | 75 | 82% | 16.5 | 54.1 | 1  | .3 | 1.0 |
|      |       |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      | 10 | .7 | 2.2 |



**Series 6 • 18 AWG** Solid .040" BCCS Conductor • Duofoil (100% Coverage) + TC Braid Shield (60% and 40% Coverage)

**Plenum • Foam FEP Insulation • Snow Beige FEP Jacket**

|       |       |                                |      |       |      |      |   |      |      |  |      |      |    |     |      |      |    |    |     |
|-------|-------|--------------------------------|------|-------|------|------|---|------|------|--|------|------|----|-----|------|------|----|----|-----|
| 200°C | 1152A | NEC:<br>CMP<br>CEC:<br>CMP FT6 | 500  | 152.4 | 27.5 | 12.5 | 18 AWG (solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .170 | 4.32 | (2) Duofoil<br>Shields<br>+ (2) TC<br>Braids<br>1.8Ω/M'<br>5.9Ω/km | .273 | 6.93 | 75 | 82% | 16.5 | 54.1 | 1  | .3 | 1.0 |
|       |       |                                | 1000 | 304.8 | 53.0 | 24.1 |   |      |      |  |      |      |    |     |      |      | 10 | .7 | 2.2 |



BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

# Broadband Coax

## CATV Cables

### Series 11

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor<br>(stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding<br>Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp.<br>(Ω) | Nom. Vel.<br>of Prop. | Nominal Capacitance |      | Nominal Attenuation |                |             |
|-------------|----------|------------------------------|------------------|---|----------------------|----|--|-----------------|----|------------------------------------|------------|----|------------------|-----------------------|---------------------|------|---------------------|----------------|-------------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |  | Inch            | mm |                                    | Inch       | mm |                  |                       | pF/Ft.              | pF/m | MHz                 | dB/<br>100 Ft. | dB/<br>100m |

**Series 11 • 14 AWG Solid .064" BCCS Conductor • Duofoil® (100% Coverage) + Aluminum Braid Shield (40% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|                              |             |   |      |       |      |      |  |      |      |  |      |       |    |     |      |      |                           |  |  |
|------------------------------|-------------|---|------|-------|------|------|--|------|------|--|------|-------|----|-----|------|------|---------------------------|--|--|
| 80°C                         | <b>9011</b> | — | 1000 | 304.8 | 66.0 | 29.9 | 14 AWG<br>(solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duofoil<br>+ 40%<br>Aluminum<br>Braid<br>5.3Ω/M'<br>17.4Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
| Sweep tested 5 MHz to 1 GHz. |             |   |      |       |      |      |  |      |      |  |      |       |    |     |      |      |                           |  |  |



**Series 11 • 14 AWG Solid .064" Bare Copper-covered Steel Conductor • Duobond® II + Aluminum Braid Shield (60% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|                              |              |                                  |                   |       |      |      |  |      |      |  |      |       |    |     |      |      |                           |  |  |
|------------------------------|--------------|----------------------------------|-------------------|-------|------|------|--|------|------|--|------|-------|----|-----|------|------|---------------------------|--|--|
| 80°C                         | <b>1523A</b> | NEC:<br>CATV<br>CM<br>CEC:<br>CM | 1000 <sup>▲</sup> | 304.8 | 67.0 | 30.4 | 14 AWG<br>(solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>4.1Ω/M'<br>13.4Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
| Sweep tested 5 MHz to 1 GHz. |              |                                  |                   |       |      |      |  |      |      |  |      |       |    |     |      |      |                           |  |  |

<sup>▲</sup>1000 ft. put-up also available in White.

|                              |               |   |      |       |      |      |  |      |      |  |      |       |    |     |      |      |                           |  |  |
|------------------------------|---------------|---|------|-------|------|------|--|------|------|--|------|-------|----|-----|------|------|---------------------------|--|--|
| 80°C                         | <b>1523AN</b> | — | 1000 | 304.8 | 68.0 | 30.9 | 14 AWG<br>(solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>4.1Ω/M'<br>13.4Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
| Sweep tested 5 MHz to 1 GHz. |               |   |      |       |      |      |  |      |      |  |      |       |    |     |      |      |                           |  |  |



|                              |              |                                     |             |                |              |              |  |      |      |  |      |       |    |     |      |      |                           |  |  |
|------------------------------|--------------|-------------------------------------|-------------|----------------|--------------|--------------|--|------|------|--|------|-------|----|-----|------|------|---------------------------|--|--|
| 80°C                         | <b>1523R</b> | NEC:<br>CATVR<br>CMR<br>CEC:<br>CMR | 500<br>1000 | 152.4<br>304.8 | 35.0<br>70.0 | 15.9<br>31.8 | 14 AWG<br>(solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>4.1Ω/M'<br>13.4Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
| Sweep tested 5 MHz to 1 GHz. |              |                                     |             |                |              |              |  |      |      |  |      |       |    |     |      |      |                           |  |  |



|                              |               |   |      |       |      |      |  |      |      |  |                   |                     |    |     |      |      |                           |  |  |
|------------------------------|---------------|---|------|-------|------|------|--|------|------|--|-------------------|---------------------|----|-----|------|------|---------------------------|--|--|
| Aerial<br>80°C               | <b>1524AM</b> | — | 1000 | 304.8 | 90.0 | 40.8 | 14 AWG<br>(solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>4.1Ω/M'<br>13.4Ω/km | .400<br>x<br>.580 | 10.16<br>x<br>14.73 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
| Sweep tested 5 MHz to 1 GHz. |               |   |      |       |      |      |  |      |      |  |                   |                     |    |     |      |      |                           |  |  |

.072" (1.83mm) galvanized steel messenger.

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Available in Black or Orange)**

|                              |              |   |      |       |      |      |  |      |      |  |      |       |    |     |      |      |                           |  |  |
|------------------------------|--------------|---|------|-------|------|------|--|------|------|--|------|-------|----|-----|------|------|---------------------------|--|--|
| Burial<br>80°C               | <b>1525A</b> | — | 1000 | 304.8 | 60.0 | 27.3 | 14 AWG<br>(solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>4.1Ω/M'<br>13.4Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart<br>on page 6.92 |  |  |
| Sweep tested 5 MHz to 1 GHz. |              |   |      |       |      |      |  |      |      |  |      |       |    |     |      |      |                           |  |  |

CoreGuard®

**Plenum • Foam FEP Insulation • Black Fluorocopolymer Jacket**

|                              |               |                                     |      |       |      |      |  |      |      |  |      |      |    |     |      |      |  |  |  |
|------------------------------|---------------|-------------------------------------|------|-------|------|------|--|------|------|--|------|------|----|-----|------|------|--|--|--|
| 150°C                        | <b>1523AP</b> | NEC:<br>CATVP<br>CMP<br>CEC:<br>CMP | 1000 | 304.8 | 62.0 | 28.2 | 14 AWG<br>(solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .274 | 6.96 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>4.1Ω/M'<br>13.4Ω/km | .348 | 8.84 | 75 | 83% | 16.3 | 53.5 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .2<br>4<br>1.0<br>1.4<br>2.3<br>3.7<br>5.3<br>6.4<br>6.9 | .6<br>1.3<br>3.3<br>4.6<br>7.5<br>12.1<br>17.4<br>21.0<br>22.6 |
| Sweep tested 5 MHz to 1 GHz. |               |                                     |      |       |      |      |  |      |      |  |      |      |    |     |      |      |  |  |  |

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

# Broadband Coax

## CATV Cables Series 11

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 11 • 14 AWG Solid .064" Bare Copper-covered Steel Conductor • Duobond Plus® + Aluminum Braid Shield (77% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|      |             |                               |      |       |      |      |   |      |      |   |      |       |    |     |      |      |                        |  |  |
|------|-------------|-------------------------------|------|-------|------|------|---|------|------|---|------|-------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>9064</b> | NEC:<br>CATV<br>CM<br>CEC: CM | 1000 | 304.8 | 68.0 | 30.9 | 14 AWG (solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond Plus*<br>+ 77%<br>Aluminum Braid<br>3.8Ω/M'<br>12.5Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|-------------|-------------------------------|------|-------|------|------|---|------|------|---|------|-------|----|-----|------|------|------------------------|--|--|



Shorting Fold

Sweep tested 5 MHz to 1 GHz.

**Aerial 80°C** **9065M** — 1000 304.8 86.0 39.0 14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km .280 7.11 Duobond Plus\* + 77% Aluminum Braid 3.8Ω/M' 12.5Ω/km .400 10.16 75 83% 16.2 53.1 See Chart on page 6.92



Shorting Fold

.072" (1.8mm) galvanized steel messenger.

Sweep tested 5 MHz to 1 GHz.

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

|             |             |   |      |       |      |      |   |      |      |   |      |       |    |     |      |      |                        |  |  |
|-------------|-------------|---|------|-------|------|------|---|------|------|---|------|-------|----|-----|------|------|------------------------|--|--|
| Burial 80°C | <b>9764</b> | — | 1000 | 304.8 | 60.0 | 27.2 | 14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km | .280 | 7.11 | Duobond Plus* + 77% Aluminum Braid 3.8Ω/M' 12.5Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|-------------|-------------|---|------|-------|------|------|---|------|------|---|------|-------|----|-----|------|------|------------------------|--|--|



Shorting Fold

Sweep tested 5 MHz to 1 GHz.

**Series 11 • 14 AWG Solid .064" Bare Copper-covered Steel Conductor • Duobond® III + Aluminum Braid Shield (77% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|             |                                    |   |      |       |      |      |   |      |      |  |      |       |    |     |      |      |                        |  |  |
|-------------|------------------------------------|---|------|-------|------|------|---|------|------|--|------|-------|----|-----|------|------|------------------------|--|--|
| Aerial 80°C | <b>7983A</b><br><small>new</small> | — | 1000 | 304.8 | 89.0 | 40.4 | 14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km | .280 | 7.11 | Duobond III* + 77% Aluminum Braid 4.0Ω/M' 13.1Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|-------------|------------------------------------|---|------|-------|------|------|---|------|------|--|------|-------|----|-----|------|------|------------------------|--|--|



CoreGuard®

.072" (1.8mm) galvanized steel messenger.

Sweep tested 5 MHz to 1 GHz.

**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

|             |                                    |   |      |       |      |      |   |      |      |  |      |       |    |     |      |      |                        |  |  |
|-------------|------------------------------------|---|------|-------|------|------|---|------|------|--|------|-------|----|-----|------|------|------------------------|--|--|
| Burial 80°C | <b>7984A</b><br><small>new</small> | — | 1000 | 304.8 | 57.0 | 25.9 | 14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km | .280 | 7.11 | Duobond III* + 77% Aluminum Braid 4.0Ω/M' 13.1Ω/km | .400 | 10.16 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|-------------|------------------------------------|---|------|-------|------|------|---|------|------|--|------|-------|----|-----|------|------|------------------------|--|--|



CoreGuard

Sweep tested 5 MHz to 1 GHz.

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond Plus = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + shorting fold.

Duobond III = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage).

# Broadband Coax

## CATV Cables


### Series 11

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                        | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 11 • 14 AWG Solid .064" Bare Copper-covered Steel Conductor • Duobond® IV Quad Shield (60% and 40% Coverage)**

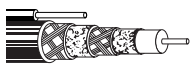
**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|      |              |                      |      |       |      |      |   |      |      |  |      |       |    |     |      |      |                        |  |  |
|------|--------------|----------------------|------|-------|------|------|---|------|------|--|------|-------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1617A</b> | NEC: CATV<br>CEC: CM | 1000 | 304.8 | 67.0 | 30.5 | 14 AWG (solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond IV*<br>60% & 40%<br>Aluminum<br>Braids<br>3.0Ω/M'<br>9.8Ω/km | .407 | 10.34 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|      |              |                      |      |       |      |      |   |      |      | Sweep tested 5 MHz to 1 GHz.   |      |       |    |     |      |      |                        |  |  |




|      |               |   |      |       |      |      |   |      |      |  |                   |                     |    |     |      |      |                        |  |  |
|------|---------------|---|------|-------|------|------|---|------|------|--|-------------------|---------------------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1619AM</b> | — | 1000 | 304.8 | 84.0 | 38.2 | 14 AWG (solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond IV*<br>60% & 40%<br>Aluminum<br>Braids<br>3.0Ω/M'<br>9.8Ω/km | .407<br>x<br>.560 | 10.34<br>x<br>14.22 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|      |               |   |      |       |      |      |   |      |      | Sweep tested 5 MHz to 1 GHz.   |                   |                     |    |     |      |      |                        |  |  |

.072" (1.8mm) galvanized steel messenger.



|      |               |   |      |       |      |      |   |      |      |  |                   |                     |    |     |      |      |                        |  |  |
|------|---------------|---|------|-------|------|------|---|------|------|--|-------------------|---------------------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>1620AM</b> | — | 1000 | 304.8 | 87.0 | 39.5 | 14 AWG (solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond IV*<br>60% & 40%<br>Aluminum<br>Braids<br>3.0Ω/M'<br>9.8Ω/km | .407<br>x<br>.560 | 10.34<br>x<br>14.22 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|      |               |   |      |       |      |      |   |      |      | Sweep tested 5 MHz to 1 GHz.   |                   |                     |    |     |      |      |                        |  |  |

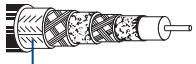
CoreGuard®  
.072" (1.8mm) galvanized steel messenger.



**Gas-injected Foam Polyethylene Insulation • Polyethylene Jacket (Black or Orange)**

|                |              |   |      |       |      |      |   |      |      |  |      |       |    |     |      |      |                        |  |  |
|----------------|--------------|---|------|-------|------|------|---|------|------|--|------|-------|----|-----|------|------|------------------------|--|--|
| Burial<br>80°C | <b>1618A</b> | — | 1000 | 304.8 | 61.0 | 27.7 | 14 AWG (solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond IV*<br>60% & 40%<br>Aluminum<br>Braids<br>3.0Ω/M'<br>9.8Ω/km | .407 | 10.34 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|                |              |   |      |       |      |      |   |      |      | Sweep tested 5 MHz to 1 GHz.   |      |       |    |     |      |      |                        |  |  |


CoreGuard®



**Series 11 • 14 AWG Solid .064" BCCS Conductors • Duofoil® (100% Coverage) + TC Braid Shields (60% and 40% Coverage)**

**Plenum • Foam FEP Teflon Insulation • Snow Beige FEP Jacket**

|       |              |                               |             |                |               |              |   |      |      |   |      |      |    |     |      |      |  |   |  |
|-------|--------------|-------------------------------|-------------|----------------|---------------|--------------|---|------|------|---|------|------|----|-----|------|------|--|---|--|
| 200°C | <b>1153A</b> | NEC: CMP CL2P<br>CEC: CMP FT6 | 500<br>1000 | 152.4<br>304.8 | 52.5<br>106.0 | 23.9<br>48.2 | 14 AWG (solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | (2) Duofoil Shields<br>+ (2) TC<br>BCCS<br>1.8Ω/M'<br>5.9Ω/km | .387 | 9.83 | 75 | 82% | 16.2 | 53.1 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .2<br>.4<br>1.2<br>1.7<br>2.5<br>3.5<br>4.6<br>5.3<br>5.6 | .7<br>1.3<br>3.9<br>5.6<br>8.2<br>11.5<br>15.1<br>17.4<br>18.4 |
|       |              |                               |             |                |               |              |   |      |      | Sweep tested 5 MHz to 400 MHz.                                |      |      |    |     |      |      |  |   |  |



BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\* Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

Teflon is a DuPont trademark.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**



# Broadband Coax

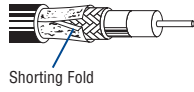
## Headend/Video Cables

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |             |          |
|-------------|----------|------------------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|-------------|----------|
|             |          |                        | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/ 100 Ft. | dB/ 100m |

**RG-59/U Type • 20 AWG Solid .032" SPCCS Conductor • Duobond Plus® + Aluminum Braid Shield (95% Coverage)**

**Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in 13 colors)\***

|      |             |                                   |      |       |      |      |  |      |      |  |      |      |    |     |      |      |                        |  |  |
|------|-------------|-----------------------------------|------|-------|------|------|--|------|------|--|------|------|----|-----|------|------|------------------------|--|--|
| 80°C | <b>9167</b> | NEC: CATVR<br>CMR<br>CEC: CMG FT4 | 1000 | 304.8 | 27.0 | 12.3 | 20 AWG (solid)<br>.032"<br>SPCCS<br>25.8Ω/M'<br>84.6Ω/km | .144 | 3.66 | Duobond Plus*<br>+ 95% Aluminum Braid<br>4.5Ω/M'<br>14.8Ω/km | .242 | 6.15 | 75 | 83% | 16.2 | 53.1 | See Chart on page 6.92 |  |  |
|------|-------------|-----------------------------------|------|-------|------|------|--|------|------|--|------|------|----|-----|------|------|------------------------|--|--|



\*Available in Black, Gray, White, Red, Blue, Yellow, Brown, Orange, Green, Purple, Beige, Pink or Aqua.

**RG-59/U Type • 20 AWG Solid .032" Bare Copper • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)\*\***

|                                   |              |                          |   |                          |                       |                     |   |      |      |  |      |      |    |     |      |      |   |   |   |   |  |  |
|-----------------------------------|--------------|--------------------------|---|--------------------------|-----------------------|---------------------|---|------|------|--|------|------|----|-----|------|------|---|---|---|---|--|--|
| SDI/HDTV<br>Digital Video<br>75°C | <b>1505A</b> | NEC: CMR<br>CEC: CMG FT4 | 500 <sup>▲</sup><br>1000<br>5000 <sup>•</sup> | 152.4<br>304.8<br>1524.0 | 15.5<br>35.0<br>165.0 | 7.0<br>16.4<br>74.8 | 20 AWG (solid)<br>.032"<br>BC<br>10.0Ω/M'<br>32.8Ω/km | .145 | 3.68 | Duofoil<br>+ 95% TC Braid<br>3.8Ω/M'<br>12.5Ω/km | .233 | 5.92 | 75 | 83% | 16.3 | 53.5 | 1<br>3.6<br>5<br>7<br>10<br>67.5<br>71.5<br>88.5<br>100<br>135<br>143<br>180<br>270<br>360<br>540<br>720<br>750<br>1000<br>1500<br>2000<br>2250<br>3000 | .3<br>.6<br>.6<br>.7<br>.9<br>2.1<br>2.1<br>2.2<br>2.3<br>2.7<br>2.8<br>3.1<br>3.8<br>4.4<br>5.5<br>6.4<br>6.5<br>7.6<br>8.9<br>9.2<br>10.2<br>12.5<br>14.4<br>18.0<br>21.0<br>21.3<br>24.9<br>30.5<br>30.5<br>38.0<br>44.0 | 1.0<br>1.8<br>2.1<br>2.4<br>2.9<br>6.7<br>6.9<br>7.2<br>7.6<br>8.9<br>9.2<br>10.2<br>12.5<br>14.4<br>18.0<br>21.0<br>21.3<br>24.9<br>30.5<br>30.5<br>38.0<br>44.0 | For Plenum version of 1505A, see 1506A.<br>Also available in bundled versions. See 7794A through 7798A. |  |  |
|-----------------------------------|--------------|--------------------------|---|--------------------------|-----------------------|---------------------|---|------|------|--|------|------|----|-----|------|------|---|---|---|---|--|--|



<sup>▲</sup>500 ft. put-up available in Black, Red or Blue only.

<sup>•</sup>5000 ft. put-up may vary -0% to 10%.

\*\*1000 ft. and 5000 ft. put-ups available in all ten colors: Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or White.

**RG-59/U Type • 22 AWG Stranded (7x29) .031" Bare Compacted Copper Conductor<sup>†</sup> • TC/BC Double Braid Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • PVC Jacket (Matte Black, Red, Green, Blue, Yellow, White, Purple or Orange)**

|  |              |                    |      |       |      |      |   |      |      |  |      |      |    |     |      |      |   |   |  |  |  |  |
|--|--------------|--------------------|------|-------|------|------|---|------|------|--|------|------|----|-----|------|------|---|---|--|--|--|--|
| High-Flex<br>SDI/HDTV<br>Video Patch<br>75°C | <b>1505F</b> | NEC: CM<br>CEC: CM | 1000 | 304.8 | 45.0 | 20.4 | 22 AWG (7x29)<br>.031"<br>BCC<br>12.2Ω/M'<br>40.0Ω/km | .145 | 3.68 | TC Double Braid<br>94% Shield Coverage<br>2.4Ω/M'<br>7.8Ω/km | .242 | 6.15 | 75 | 80% | 17.0 | 55.7 | 1<br>3.6<br>5<br>7<br>10<br>67.5<br>71.5<br>88.5<br>100<br>135<br>143<br>180<br>270<br>360<br>540<br>720<br>750<br>1000<br>1500<br>2000<br>2250<br>3000 | .2<br>.5<br>.6<br>.7<br>.9<br>2.4<br>2.4<br>2.5<br>2.8<br>3.0<br>3.5<br>3.6<br>4.1<br>5.1<br>6.0<br>7.4<br>8.7<br>8.9<br>10.5<br>13.3<br>15.7<br>16.9<br>20.3 | .7<br>1.6<br>2.0<br>2.4<br>2.9<br>7.9<br>8.2<br>9.2<br>9.8<br>11.5<br>11.8<br>13.5<br>16.7<br>19.7<br>24.3<br>28.5<br>29.2<br>34.4<br>43.6<br>51.5<br>55.4<br>66.6 |  |  |  |
|--|--------------|--------------------|------|-------|------|------|---|------|------|--|------|------|----|-----|------|------|---|---|--|--|--|--|



<sup>†</sup>Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

BC = Bare Copper • BCC = Bare Compacted Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • SPCCS = Silver-plated, Copper-covered Steel • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

\*Duobond Plus = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + shorting fold.


# Broadband Coax

## Headend/Video Cables

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |


**RG-59/U Type • 20 AWG Solid .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)**

**Polyethylene Insulation • Polyethylene Jacket (Available in Red, Yellow, Green, Light Blue, White, Orange or Black)**

|  |             |      |                  |       |      |      |                         |      |      |                 |      |      |    |     |      |      |      |     |      |
|--|-------------|------|------------------|-------|------|------|-------------------------|------|------|-----------------|------|------|----|-----|------|------|------|-----|------|
| 80°C   | <b>8281</b> | —    | 500 <sup>*</sup> | 152.4 | 37.5 | 17.0 | 20 AWG (solid)<br>.031" | .198 | 5.03 | TC Double Braid | .305 | 7.75 | 75 | 66% | 21.0 | 68.9 | 1    | .3  | 1.0  |
|  |             |      | 1000             | 304.8 | 74.0 | 33.6 |                         |      |      |                 |      |      |    |     |      |      | 3.6  | .5  | 1.6  |
|  |             |      |                  |       |      |      |                         |      |      |                 |      |      |    |     |      |      | 10.0 | .8  | 2.6  |
|  |             |      |                  |       |      |      |                         |      |      |                 |      |      |    |     |      |      | 71.5 | 2.1 | 6.9  |
|  |             |      |                  |       |      |      |                         |      |      |                 |      |      |    |     |      |      | 135  | 3.0 | 9.8  |
|  |             |      |                  |       |      |      |                         |      |      |                 |      |      |    |     |      |      | 270  | 4.3 | 14.1 |
|  |             |      |                  |       |      |      |                         |      |      |                 |      |      |    |     |      |      | 360  | 5.1 | 16.7 |
|  |             |      |                  |       |      |      |                         |      |      |                 |      |      |    |     |      |      | 540  | 6.3 | 20.7 |
|  |             |      |                  |       |      |      |                         |      |      |                 |      |      |    |     |      |      | 720  | 7.4 | 24.3 |
| 750  | 7.6         | 24.9 |                  |       |      |      |                         |      |      |                 |      |      |    |     |      |      |      |     |      |
| 1000   | 9.2         | 30.2 |                  |       |      |      |                         |      |      |                 |      |      |    |     |      |      |      |     |      |

\*500 ft. put-up not available in White.  
Max operating voltage — Non UL 2900V RMS


**Flame-retardant Semi-foam Polyethylene Insulation • PVC Jacket (Available in 9 colors)\***

|  |              |                                |      |       |      |      |                         |      |      |                 |      |      |    |     |      |      |      |     |      |
|--|--------------|--------------------------------|------|-------|------|------|-------------------------|------|------|-----------------|------|------|----|-----|------|------|------|-----|------|
| UL AWM<br>Style 1354<br>(30V 80°C)   | <b>8281B</b> | NEC:<br>CMR<br>CEC:<br>CMG FT4 | 1000 | 304.8 | 84.0 | 38.1 | 20 AWG (solid)<br>.031" | .198 | 5.03 | TC Double Braid | .305 | 7.75 | 75 | 66% | 21.0 | 68.9 | 1    | .3  | 1.0  |
|  |              |                                | 360  | 5.1   | 16.7 |      |                         |      |      |                 |      |      |    |     |      |      |      |     |      |
|  |              |                                |      |       |      |      |                         |      |      |                 |      |      |    |     |      |      | 10.0 | .8  | 2.6  |
|  |              |                                |      |       |      |      |                         |      |      |                 |      |      |    |     |      |      | 71.5 | 2.1 | 6.9  |
|  |              |                                |      |       |      |      |                         |      |      |                 |      |      |    |     |      |      | 135  | 3.0 | 9.8  |
|  |              |                                |      |       |      |      |                         |      |      |                 |      |      |    |     |      |      | 270  | 4.4 | 14.4 |
|  |              |                                |      |       |      |      |                         |      |      |                 |      |      |    |     |      |      | 360  | 5.1 | 16.7 |
|  |              |                                |      |       |      |      |                         |      |      |                 |      |      |    |     |      |      | 540  | 6.6 | 21.7 |
|  |              |                                |      |       |      |      |                         |      |      |                 |      |      |    |     |      |      | 720  | 7.8 | 25.6 |
| 750  | 8.0          | 26.2                           |      |       |      |      |                         |      |      |                 |      |      |    |     |      |      |      |     |      |
| 1000   | 10.2         | 33.5                           |      |       |      |      |                         |      |      |                 |      |      |    |     |      |      |      |     |      |

\*8281B available in Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black.

**22 AWG Stranded (7x29) .031" Bare Compacted Copper Conductor\* • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)**

**Polyethylene Insulation • PVC Jacket (Matte Red, Blue, Green, Gray or Black)**

|  |              |      |                  |       |      |      |                        |      |      |                 |      |      |    |     |      |      |      |     |      |
|--|--------------|------|------------------|-------|------|------|------------------------|------|------|-----------------|------|------|----|-----|------|------|------|-----|------|
| High-Flex<br>60°C  | <b>8281F</b> | —    | 500 <sup>*</sup> | 152.4 | 34.5 | 15.7 | 22 AWG (7x29)<br>.031" | .198 | 5.03 | TC Double Braid | .305 | 7.75 | 75 | 66% | 21.0 | 68.9 | 1    | .3  | .9   |
|  |              |      | 1000             | 304.8 | 67.0 | 30.4 |                        |      |      |                 |      |      |    |     |      |      | 3.6  | .5  | 1.7  |
|  |              |      |                  |       |      |      |                        |      |      |                 |      |      |    |     |      |      | 10.0 | .9  | 3.0  |
|  |              |      |                  |       |      |      |                        |      |      |                 |      |      |    |     |      |      | 71.5 | 2.5 | 8.2  |
|  |              |      |                  |       |      |      |                        |      |      |                 |      |      |    |     |      |      | 135  | 3.6 | 11.8 |
|  |              |      |                  |       |      |      |                        |      |      |                 |      |      |    |     |      |      | 270  | 5.1 | 16.7 |
|  |              |      |                  |       |      |      |                        |      |      |                 |      |      |    |     |      |      | 360  | 6.0 | 19.7 |
|  |              |      |                  |       |      |      |                        |      |      |                 |      |      |    |     |      |      | 540  | 7.4 | 24.3 |
|  |              |      |                  |       |      |      |                        |      |      |                 |      |      |    |     |      |      | 720  | 8.7 | 28.5 |
| 750  | 8.9          | 29.2 |                  |       |      |      |                        |      |      |                 |      |      |    |     |      |      |      |     |      |
| 1000   | 10.5         | 34.5 |                  |       |      |      |                        |      |      |                 |      |      |    |     |      |      |      |     |      |

\*500 ft. put-up available in Black only.  
Max operating voltage — Non UL 2900V RMS  
\*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

BC = Bare Copper • BCC = Bare Compacted Copper • DCR = DC Resistance • SPC = Silver-plated Copper • SPCCS = Silver-plated, Copper-covered Steel • TC = Tinned Copper  
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.


# DBS Cable

## Series 6


| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor<br>(stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding<br>Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp.<br>(Ω) | Nom. Vel.<br>of Prop. | Nominal Capacitance |      | Nominal Attenuation |                |             |
|-------------|----------|------------------------------|------------------|---|----------------------|----|--|-----------------|----|------------------------------------|------------|----|------------------|-----------------------|---------------------|------|---------------------|----------------|-------------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |  | Inch            | mm |                                    | Inch       | mm |                  |                       | pF/Ft.              | pF/m | MHz                 | dB/<br>100 Ft. | dB/<br>100m |

**Series 6 • 18 AWG** Solid .040" Bare Copper or Bare Copper-covered Steel Conductor (see below) • Duobond® II + Aluminum Braid Shield (60% Coverage)


### Gas-injected Foam Polyethylene Insulation • PVC Jacket (Black, Gray, White or Neutral)

|   |              |         |         |         |      |      |  |      |      |  |      |      |    |     |      |      |      |     |      |
|---|--------------|---------|---------|---------|------|------|--|------|------|--|------|------|----|-----|------|------|------|-----|------|
| 80°C<br> | <b>1829A</b> | NEC:    | U-1000† | U-304.8 | 29.0 | 13.2 | 18 AWG<br>(solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>9.0Ω/M'<br>29.5Ω/km | .270 | 6.86 | 75 | 83% | 16.2 | 53.1 | 5    | .5  | 1.6  |
|   |              | CATV CM | 1000†   | 304.8   | 29.0 | 13.2 |  |      |      |  |      |      |    |     |      |      | 55   | 1.4 | 4.6  |
|   |              | CEC:    |         |         |      |      |  |      |      |  |      |      |    |     |      |      | 211  | 2.6 | 8.5  |
|   |              | CM      |         |         |      |      |  |      |      |  |      |      |    |     |      |      | 500  | 4.1 | 13.5 |
|   |              |         |         |         |      |      |  |      |      |  |      |      |    |     |      |      | 750  | 5.1 | 16.7 |
|   |              |         |         |         |      |      |  |      |      |  |      |      |    |     |      |      | 862  | 5.5 | 18.0 |
|   |              |         |         |         |      |      |  |      |      |  |      |      |    |     |      |      | 1000 | 6.0 | 19.7 |
|   |              |         |         |         |      |      |  |      |      |  |      |      |    |     |      |      | 1450 | 7.8 | 25.6 |
|   |              |         |         |         |      |      |  |      |      |  |      |      |    |     |      |      | 1800 | 8.6 | 28.2 |
|   |              |         |         |         |      |      |  |      |      |  |      |      |    |     |      |      | 2250 | 9.8 | 32.2 |

†Final put-up length may vary ±10% for spools, ±5% for unreel cartons.


|   |               |         |                     |         |      |      |   |      |      |  |      |      |    |     |      |      |      |     |      |
|---|---------------|---------|---------------------|---------|------|------|---|------|------|--|------|------|----|-----|------|------|------|-----|------|
| 80°C<br> | <b>1829AC</b> | NEC:    | U-1000 <sup>▲</sup> | U-304.8 | 27.0 | 12.3 | 18 AWG<br>(solid)<br>.040"<br>BCAC<br>6.4Ω/M'<br>21.0Ω/km | .180 | 4.57 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>9.0Ω/M'<br>29.5Ω/km | .270 | 6.86 | 75 | 83% | 16.2 | 53.1 | 5    | .5  | 1.6  |
|   |               | CATV CM | 1000 <sup>▲</sup>   | 304.8   | 27.0 | 12.3 |   |      |      |  |      |      |    |     |      |      | 55   | 1.4 | 4.6  |
|   |               | CEC:    |                     |         |      |      |   |      |      |  |      |      |    |     |      |      | 211  | 2.6 | 8.5  |
|   |               | CM      |                     |         |      |      |   |      |      |  |      |      |    |     |      |      | 500  | 4.1 | 13.5 |
|   |               |         |                     |         |      |      |   |      |      |  |      |      |    |     |      |      | 750  | 5.1 | 16.7 |
|   |               |         |                     |         |      |      |   |      |      |  |      |      |    |     |      |      | 862  | 5.5 | 18.0 |
|   |               |         |                     |         |      |      |   |      |      |  |      |      |    |     |      |      | 1000 | 6.0 | 19.7 |
|   |               |         |                     |         |      |      |   |      |      |  |      |      |    |     |      |      | 1450 | 7.8 | 25.6 |
|   |               |         |                     |         |      |      |   |      |      |  |      |      |    |     |      |      | 1800 | 8.6 | 28.2 |
|   |               |         |                     |         |      |      |   |      |      |  |      |      |    |     |      |      | 2250 | 9.8 | 32.2 |

<sup>▲</sup>U-1000 ft. put-up available in Black, White or Gray only. 1000 ft. available in White or Black only.


|   |                                    |               |         |         |      |      |  |      |      |  |      |      |    |     |      |      |      |     |      |
|---|------------------------------------|---------------|---------|---------|------|------|--|------|------|--|------|------|----|-----|------|------|------|-----|------|
| 80°C<br> | <b>1829R</b><br><small>new</small> | NEC:          | U-1000* | U-304.8 | 29.0 | 13.2 | 18 AWG<br>(solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>21.0Ω/km | .180 | 4.57 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>9.0Ω/M'<br>29.5Ω/km | .270 | 6.86 | 75 | 83% | 16.2 | 53.1 | 5    | .5  | 1.6  |
|   |                                    | CATVR,<br>CMR |         |         |      |      |  |      |      |  |      |      |    |     |      |      | 55   | 1.4 | 4.6  |
|   |                                    | CEC:          |         |         |      |      |  |      |      |  |      |      |    |     |      |      | 211  | 2.6 | 8.5  |
|   |                                    | CMG FT4       |         |         |      |      |  |      |      |  |      |      |    |     |      |      | 500  | 4.1 | 13.5 |
|   |                                    |               |         |         |      |      |  |      |      |  |      |      |    |     |      |      | 750  | 5.1 | 16.7 |
|   |                                    |               |         |         |      |      |  |      |      |  |      |      |    |     |      |      | 862  | 5.5 | 18.0 |
|   |                                    |               |         |         |      |      |  |      |      |  |      |      |    |     |      |      | 1000 | 6.0 | 19.7 |
|   |                                    |               |         |         |      |      |  |      |      |  |      |      |    |     |      |      | 1450 | 7.8 | 25.6 |
|   |                                    |               |         |         |      |      |  |      |      |  |      |      |    |     |      |      | 1800 | 8.6 | 28.2 |
|   |                                    |               |         |         |      |      |  |      |      |  |      |      |    |     |      |      | 2250 | 9.8 | 32.2 |

\*U-1000 ft. put-up not available in Neutral.

### Gas-injected Foam Polyethylene Insulation • Black Polyethylene Jacket

|   |              |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      |      |     |      |
|---|--------------|---|------|-------|------|------|--|------|------|--|------|------|----|-----|------|------|------|-----|------|
| Burial<br>80°C<br> | <b>1829B</b> | — | 1000 | 304.8 | 26.0 | 11.8 | 18 AWG<br>(solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .180 | 4.57 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>9.0Ω/M'<br>29.5Ω/km | .270 | 6.86 | 75 | 83% | 16.2 | 53.1 | 5    | .5  | 1.6  |
|   |              |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 55   | 1.4 | 4.6  |
|   |              |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 211  | 2.6 | 8.5  |
|   |              |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 500  | 4.1 | 13.5 |
|   |              |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 750  | 5.1 | 16.7 |
|   |              |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 862  | 5.5 | 18.0 |
|   |              |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 1000 | 6.0 | 19.7 |
|   |              |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 1450 | 7.8 | 25.6 |
|   |              |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 1800 | 8.6 | 28.2 |
|   |              |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 2250 | 9.8 | 32.2 |

CoreGuard®

|   |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      |      |     |      |
|---|---------------|---|------|-------|------|------|---|------|------|--|------|------|----|-----|------|------|------|-----|------|
| Burial<br>80°C<br> | <b>1829BC</b> | — | 1000 | 304.8 | 27.0 | 12.3 | 18 AWG<br>(solid)<br>.040"<br>BCAC<br>6.4Ω/M'<br>21.0Ω/km | .180 | 4.57 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>9.0Ω/M'<br>29.5Ω/km | .270 | 6.86 | 75 | 83% | 16.2 | 53.1 | 5    | .5  | 1.6  |
|   |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 55   | 1.4 | 4.6  |
|   |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 211  | 2.6 | 8.5  |
|   |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 500  | 4.1 | 13.5 |
|   |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 750  | 5.1 | 16.7 |
|   |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 862  | 5.5 | 18.0 |
|   |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 1000 | 6.0 | 19.7 |
|   |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 1450 | 7.8 | 25.6 |
|   |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 1800 | 8.6 | 28.2 |
|   |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 2250 | 9.8 | 32.2 |

CoreGuard®

### Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

|   |                                    |               |        |         |      |      |  |      |      |  |      |      |    |     |      |      |      |     |      |
|---|------------------------------------|---------------|--------|---------|------|------|--|------|------|--|------|------|----|-----|------|------|------|-----|------|
| 75°C<br> | <b>1829P</b><br><small>new</small> | NEC:          | U-1000 | U-304.8 | 27.0 | 12.3 | 18 AWG<br>(solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.9Ω/km | .170 | 4.32 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid<br>9.0Ω/M'<br>29.5Ω/km | .235 | 5.97 | 75 | 83% | 16.3 | 53.4 | 1    | .3  | 1.0  |
|   |                                    | CATVP,<br>CMP | 1000   | 304.8   | 27.0 | 12.3 |  |      |      |  |      |      |    |     |      |      | 10   | .7  | 2.2  |
|   |                                    | CEC:          |        |         |      |      |  |      |      |  |      |      |    |     |      |      | 50   | 1.5 | 4.9  |
|   |                                    | CMP FT6       |        |         |      |      |  |      |      |  |      |      |    |     |      |      | 100  | 2.1 | 6.9  |
|   |                                    |               |        |         |      |      |  |      |      |  |      |      |    |     |      |      | 200  | 3.0 | 9.8  |
|   |                                    |               |        |         |      |      |  |      |      |  |      |      |    |     |      |      | 400  | 4.4 | 14.4 |
|   |                                    |               |        |         |      |      |  |      |      |  |      |      |    |     |      |      | 700  | 6.1 | 20.0 |
|   |                                    |               |        |         |      |      |  |      |      |  |      |      |    |     |      |      | 900  | 7.2 | 23.6 |
|   |                                    |               |        |         |      |      |  |      |      |  |      |      |    |     |      |      | 1000 | 7.6 | 24.9 |
|   |                                    |               |        |         |      |      |  |      |      |  |      |      |    |     |      |      | 1450 | 9.6 | 31.5 |

BC = Bare Copper • BCAC = Bare Copper Anti-corrosion • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

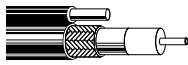
# DBS Cable

## Series 6

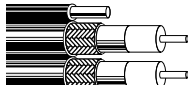
| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 6 • 18 AWG Solid .040" Bare Copper or Bare Copper-covered Steel Conductor (see below) • Duobond® II + AL Braid Shield (60% Coverage) (cont'd)**

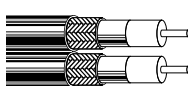
**Gas-injected Foam Polyethylene Insulation • Black PVC Jacket**

|  |              |   |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      |      |     |      |
|--|--------------|---|------|-------|------|------|-------------------------|------|------|---|-------------------|--------------------|----|-----|------|------|------|-----|------|
| 80°C<br> | <b>1839A</b> | — | 1000 | 304.8 | 40.0 | 18.1 | 18 AWG (solid)<br>.040" | .180 | 4.57 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid | .270<br>x<br>.405 | 6.86<br>x<br>10.29 | 75 | 83% | 16.2 | 53.1 | 5    | .5  | 1.6  |
|  |              |   |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 55   | 1.4 | 4.6  |
|  |              |   |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 211  | 2.6 | 8.5  |
|  |              |   |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 500  | 4.1 | 13.5 |
|  |              |   |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 750  | 5.1 | 16.7 |
|  |              |   |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 862  | 5.5 | 18.0 |
|  |              |   |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 1000 | 6.0 | 19.7 |
|  |              |   |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 1450 | 7.8 | 25.6 |
|  |              |   |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 1800 | 8.6 | 28.2 |
|  |              |   |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 2250 | 9.8 | 32.2 |

.045" (1.14mm) copper-covered steel, static ground.

|  |              |   |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      |      |     |      |
|--|--------------|---|-----|-------|------|------|-------------------------|------|------|---|-------------------|--------------------|----|-----|------|------|------|-----|------|
| 80°C<br> | <b>1840A</b> | — | 500 | 152.4 | 37.5 | 17.0 | 18 AWG (solid)<br>.040" | .180 | 4.57 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid | .273<br>x<br>.703 | 6.93<br>x<br>17.86 | 75 | 83% | 16.2 | 53.1 | 5    | .5  | 1.6  |
|  |              |   |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 55   | 1.4 | 4.6  |
|  |              |   |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 211  | 2.6 | 8.5  |
|  |              |   |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 500  | 4.1 | 13.5 |
|  |              |   |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 750  | 5.1 | 16.7 |
|  |              |   |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 862  | 5.5 | 18.0 |
|  |              |   |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 1000 | 6.0 | 19.7 |
|  |              |   |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 1450 | 7.8 | 25.6 |
|  |              |   |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 1800 | 8.6 | 28.2 |
|  |              |   |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 2250 | 9.8 | 32.2 |

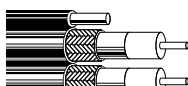
.045" (1.14mm) copper-covered steel static ground.

|  |              |                               |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      |      |     |      |
|--|--------------|-------------------------------|------|-------|------|------|-------------------------|------|------|---|-------------------|--------------------|----|-----|------|------|------|-----|------|
| 80°C<br> | <b>1841A</b> | NEC:<br>CATV CM<br>CEC:<br>CM | 1000 | 304.8 | 66.0 | 30.0 | 18 AWG (solid)<br>.040" | .180 | 4.57 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid | .273<br>x<br>.595 | 6.93<br>x<br>15.11 | 75 | 83% | 16.2 | 53.1 | 5    | .5  | 1.6  |
|  |              |                               |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 55   | 1.4 | 4.6  |
|  |              |                               |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 211  | 2.6 | 8.5  |
|  |              |                               |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 500  | 4.1 | 13.5 |
|  |              |                               |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 750  | 5.1 | 16.7 |
|  |              |                               |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 862  | 5.5 | 18.0 |
|  |              |                               |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 1000 | 6.0 | 19.7 |
|  |              |                               |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 1450 | 7.8 | 25.6 |
|  |              |                               |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 1800 | 8.6 | 28.2 |
|  |              |                               |      |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 2250 | 9.8 | 32.2 |

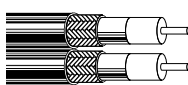
**Gas-injected Foam Polyethylene Insulation • PVC Jacket (Black, Gray or White)**

|  |               |   |                   |       |      |      |                         |      |      |   |                   |                    |    |     |      |      |      |     |      |
|--|---------------|---|-------------------|-------|------|------|-------------------------|------|------|---|-------------------|--------------------|----|-----|------|------|------|-----|------|
| 80°C<br> | <b>1839AC</b> | — | 1000 <sup>▲</sup> | 304.8 | 44.0 | 20.0 | 18 AWG (solid)<br>.040" | .180 | 4.57 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid | .270<br>x<br>.405 | 6.86<br>x<br>10.29 | 75 | 83% | 16.2 | 53.1 | 5    | .5  | 1.6  |
|  |               |   |                   |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 55   | 1.4 | 4.6  |
|  |               |   |                   |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 211  | 2.6 | 8.5  |
|  |               |   |                   |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 500  | 4.1 | 13.5 |
|  |               |   |                   |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 750  | 5.1 | 16.7 |
|  |               |   |                   |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 862  | 5.5 | 18.0 |
|  |               |   |                   |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 1000 | 6.0 | 19.7 |
|  |               |   |                   |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 1450 | 7.8 | 25.6 |
|  |               |   |                   |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 1800 | 8.6 | 28.2 |
|  |               |   |                   |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 2250 | 9.8 | 32.2 |

<sup>▲</sup>1000 ft. put-up not available in White.  
.045" (1.14mm) copper-covered steel static ground.

|  |               |   |     |       |      |      |                         |      |      |  |                   |                    |    |     |      |      |      |     |      |
|--|---------------|---|-----|-------|------|------|-------------------------|------|------|--|-------------------|--------------------|----|-----|------|------|------|-----|------|
| 80°C<br> | <b>1840AC</b> | — | 500 | 152.4 | 38.0 | 17.2 | 18 AWG (solid)<br>.040" | .180 | 4.57 | Duobond II*<br>+ 60%<br>Aluminum<br>BC | .273<br>x<br>.703 | 6.93<br>x<br>17.86 | 75 | 83% | 16.2 | 53.1 | 5    | .5  | 1.6  |
|  |               |   |     |       |      |      |                         |      |      |  |                   |                    |    |     |      |      | 55   | 1.4 | 4.6  |
|  |               |   |     |       |      |      |                         |      |      |  |                   |                    |    |     |      |      | 211  | 2.6 | 8.5  |
|  |               |   |     |       |      |      |                         |      |      |  |                   |                    |    |     |      |      | 500  | 4.1 | 13.5 |
|  |               |   |     |       |      |      |                         |      |      |  |                   |                    |    |     |      |      | 750  | 5.1 | 16.7 |
|  |               |   |     |       |      |      |                         |      |      |  |                   |                    |    |     |      |      | 862  | 5.5 | 18.0 |
|  |               |   |     |       |      |      |                         |      |      |  |                   |                    |    |     |      |      | 1000 | 6.0 | 19.7 |
|  |               |   |     |       |      |      |                         |      |      |  |                   |                    |    |     |      |      | 1450 | 7.8 | 25.6 |
|  |               |   |     |       |      |      |                         |      |      |  |                   |                    |    |     |      |      | 1800 | 8.6 | 28.2 |
|  |               |   |     |       |      |      |                         |      |      |  |                   |                    |    |     |      |      | 2250 | 9.8 | 32.2 |

.045" (1.14mm) copper-covered steel static ground.

|  |               |                               |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      |      |     |      |
|--|---------------|-------------------------------|-----|-------|------|------|-------------------------|------|------|---|-------------------|--------------------|----|-----|------|------|------|-----|------|
| 80°C<br> | <b>1841AC</b> | NEC:<br>CATV CM<br>CEC:<br>CM | 500 | 152.4 | 32.5 | 14.7 | 18 AWG (solid)<br>.040" | .180 | 4.57 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid | .273<br>x<br>.595 | 6.93<br>x<br>15.11 | 75 | 83% | 16.2 | 53.1 | 5    | .5  | 1.6  |
|  |               |                               |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 55   | 1.4 | 4.6  |
|  |               |                               |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 211  | 2.6 | 8.5  |
|  |               |                               |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 500  | 4.1 | 13.5 |
|  |               |                               |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 750  | 5.1 | 16.7 |
|  |               |                               |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 862  | 5.5 | 18.0 |
|  |               |                               |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 1000 | 6.0 | 19.7 |
|  |               |                               |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 1450 | 7.8 | 25.6 |
|  |               |                               |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 1800 | 8.6 | 28.2 |
|  |               |                               |     |       |      |      |                         |      |      |   |                   |                    |    |     |      |      | 2250 | 9.8 | 32.2 |

AL = Aluminum • BC = Bare Copper • BCAC = Bare Copper Anti-corrosion • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

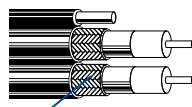
# DBS Cable

## Series 6

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® II + Aluminum Braid Shield (60% Coverage)**

**Gas-injected Foam Polyethylene Insulation • Black Polyethylene Jacket**

|   |               |              |   |      |       |      |      |                |      |      |   |                   |                    |    |     |      |      |    |      |     |      |
|---|---------------|--------------|---|------|-------|------|------|----------------|------|------|---|-------------------|--------------------|----|-----|------|------|----|------|-----|------|
|  <p>CoreGuard®</p> | <b>Burial</b> | <b>1843A</b> | — | 1000 | 304.8 | 64.0 | 29.1 | 18 AWG (solid) | .180 | 4.57 | Duobond II*<br>+ 60%<br>Aluminum<br>Braid | .273<br>X<br>.750 | 6.93<br>X<br>19.05 | 75 | 83% | 16.2 | 53.1 | 5  | .5   | 1.6 |      |
|   | 80°C          |              |   |      |       |      |      | .040"          |      |      |   |                   |                    |    |     |      |      | 55 | 1.4  | 4.6 |      |
|   |               |              |   |      |       |      |      | 28.0Ω/M'       |      |      |   |                   |                    |    |     |      |      |    | 211  | 2.6 | 8.5  |
|   |               |              |   |      |       |      |      | 91.9Ω/km       |      |      |   |                   |                    |    |     |      |      |    | 500  | 4.1 | 13.5 |
|   |               |              |   |      |       |      |      |                |      |      |   |                   |                    |    |     |      |      |    | 750  | 5.1 | 16.7 |
|   |               |              |   |      |       |      |      |                |      |      |   |                   |                    |    |     |      |      |    | 862  | 5.5 | 18.0 |
|   |               |              |   |      |       |      |      |                |      |      |   |                   |                    |    |     |      |      |    | 1000 | 6.0 | 19.7 |
|   |               |              |   |      |       |      |      |                |      |      |   |                   |                    |    |     |      |      |    | 1450 | 7.8 | 25.6 |
|   |               |              |   |      |       |      |      |                |      |      |   |                   |                    |    |     |      |      |    | 1800 | 8.6 | 28.2 |
|   |               |              |   |      |       |      |      |                |      |      |   |                   |                    |    |     |      |      |    | 2250 | 9.8 | 32.2 |

.045" (1.14mm) copper-covered steel static ground.  
Suitable for Outdoor and Direct Burial applications.

**HDTV Series 6 • 18 AWG Solid .040" Bare Copper Conductor • Duobond + Aluminum Braid Shields (77% and 80% Coverage)**


**Gas-injected Foam Polyethylene Insulation • PVC Jacket (Black or White)**

|  |      |              |             |         |       |      |                |          |      |                |                 |      |    |     |      |      |   |      |     |      |
|--|------|--------------|-------------|---------|-------|------|----------------|----------|------|----------------|-----------------|------|----|-----|------|------|---|------|-----|------|
|  <p>Shorting Fold</p> | 80°C | <b>7915A</b> | NEC: U-500  | U-152.4 | 16.5  | 7.5  | 18 AWG (solid) | .180     | 4.57 | Duobond Plus** | .275            | 6.99 | 75 | 83% | 16.2 | 53.1 | 5 | .5   | 1.6 |      |
|  |      |              | CATV CM     | 500     | 152.4 | 18.0 | 8.2            | .040"    |      |                | 77% & 80%       |      |    |     |      |      |   | 55   | 1.4 | 4.6  |
|  |      |              | CEC: U-1000 | U-304.8 | 32.0  | 14.5 |                |          |      |                | Aluminum Braids |      |    |     |      |      |   | 211  | 2.6 | 8.5  |
|  |      |              | CM          | 1000    | 304.8 | 32.0 | 14.5           | 6.4Ω/M'  |      |                | 4.6Ω/M'         |      |    |     |      |      |   | 500  | 4.1 | 13.5 |
|  |      |              |             |         |       |      |                | 21.0Ω/km |      |                | 15.1Ω/km        |      |    |     |      |      |   | 750  | 5.1 | 16.7 |
|  |      |              |             |         |       |      |                |          |      |                |                 |      |    |     |      |      |   | 862  | 5.5 | 18.0 |
|  |      |              |             |         |       |      |                |          |      |                |                 |      |    |     |      |      |   | 1000 | 6.0 | 19.7 |
|  |      |              |             |         |       |      |                |          |      |                |                 |      |    |     |      |      |   | 1450 | 7.8 | 25.6 |
|  |      |              |             |         |       |      |                |          |      |                |                 |      |    |     |      |      |   | 1800 | 8.6 | 28.2 |
|  |      |              |             |         |       |      |                |          |      |                |                 |      |    |     |      |      |   | 2250 | 9.8 | 32.2 |

Sweep tested 950 MHz to 2.25 GHz.

**Series 6 • 18 AWG Solid .040" Bare Copper Conductor • Duobond + Aluminum Braid Shields (60% and 40% Coverage)**

**Gas-injected Foam Polyethylene Insulation • PVC Jacket (Black or White)**

|   |  |              |             |         |       |      |                |          |      |             |                 |      |    |     |      |      |   |      |     |      |
|---|--|--------------|-------------|---------|-------|------|----------------|----------|------|-------------|-----------------|------|----|-----|------|------|---|------|-----|------|
|  |  | <b>7916A</b> | NEC: U-500  | U-152.4 | 18.5  | 8.4  | 18 AWG (solid) | .180     | 4.57 | Duobond IV* | .298            | 7.57 | 75 | 83% | 16.2 | 53.1 | 5 | .5   | 1.6 |      |
|   |  |              | CATV CM     | 500     | 152.4 | 19.5 | 8.9            | .040"    |      |             | 60% & 40%       |      |    |     |      |      |   | 55   | 1.4 | 4.6  |
|   |  |              | CEC: U-1000 | U-304.8 | 36.0  | 16.3 |                |          |      |             | Aluminum Braids |      |    |     |      |      |   | 211  | 2.6 | 8.5  |
|   |  |              | CM          | 1000    | 304.8 | 35.0 | 15.9           | 6.4Ω/M'  |      |             | 4.8Ω/M'         |      |    |     |      |      |   | 500  | 4.1 | 13.5 |
|   |  |              |             |         |       |      |                | 21.0Ω/km |      |             | 15.7Ω/km        |      |    |     |      |      |   | 750  | 5.1 | 16.7 |
|   |  |              |             |         |       |      |                |          |      |             |                 |      |    |     |      |      |   | 862  | 5.5 | 18.0 |
|   |  |              |             |         |       |      |                |          |      |             |                 |      |    |     |      |      |   | 1000 | 6.0 | 19.7 |
|   |  |              |             |         |       |      |                |          |      |             |                 |      |    |     |      |      |   | 1450 | 7.8 | 25.6 |
|   |  |              |             |         |       |      |                |          |      |             |                 |      |    |     |      |      |   | 1800 | 8.6 | 28.2 |
|   |  |              |             |         |       |      |                |          |      |             |                 |      |    |     |      |      |   | 2250 | 9.8 | 32.2 |

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

Duobond Plus = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + shorting fold.

Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

# Standard Analog Video Cable

## 75 Ohm Miniature Coax



| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**30 AWG** Stranded (7x38) .012" Tinned Copper Conductor • Tinned Copper Braid Shield (89% Coverage)

| Foam HDPE Insulation • Black PVC Jacket |             |   |       |         |     |     |           |      |      |            |      |      |    |     |      |      |      |      |      |
|---|-------------|---|-------|---------|-----|-----|-----------|------|------|------------|------|------|----|-----|------|------|------|------|------|
| UL AWM                                  | <b>9221</b> | — | 100   | 30.5    | 1.5 | .7  | 30 AWG    | .058 | 1.47 | TC Braid   | .097 | 2.46 | 75 | 78% | 17.3 | 56.8 | 1    | .7   | 2.3  |
| Style 1375                              |             |   | U-500 | U-152.4 | 4.0 | 1.8 | (7x38)    |      |      | 89% Shield |      |      |    |     |      |      | 3.6  | 1.3  | 4.3  |
| (30V 60°C)                              |             |   | 500   | 152.4   | 4.0 | 1.8 | .012"     |      |      | Coverage   |      |      |    |     |      |      | 4    | 1.3  | 4.3  |
|   |             |   |       |         |     |     | TC        |      |      | 11.7Ω/M'   |      |      |    |     |      |      | 5    | 1.6  | 5.2  |
|   |             |   |       |         |     |     | 100.0Ω/M' |      |      | 38.4Ω/km   |      |      |    |     |      |      | 7    | 1.9  | 6.2  |
|   |             |   |       |         |     |     | 328.0Ω/km |      |      |            |      |      |    |     |      |      | 9    | 2.1  | 6.9  |
|   |             |   |       |         |     |     |           |      |      |            |      |      |    |     |      |      | 10   | 2.2  | 7.2  |
|   |             |   |       |         |     |     |           |      |      |            |      |      |    |     |      |      | 50   | 5.1  | 16.7 |
|   |             |   |       |         |     |     |           |      |      |            |      |      |    |     |      |      | 70   | 6.1  | 20.0 |
|   |             |   |       |         |     |     |           |      |      |            |      |      |    |     |      |      | 100  | 7.3  | 23.9 |
|   |             |   |       |         |     |     |           |      |      |            |      |      |    |     |      |      | 200  | 10.5 | 34.4 |
|   |             |   |       |         |     |     |           |      |      |            |      |      |    |     |      |      | 400  | 15.5 | 50.9 |
|   |             |   |       |         |     |     |           |      |      |            |      |      |    |     |      |      | 700  | 21.5 | 70.5 |
|   |             |   |       |         |     |     |           |      |      |            |      |      |    |     |      |      | 900  | 24.8 | 81.4 |
|   |             |   |       |         |     |     |           |      |      |            |      |      |    |     |      |      | 1000 | 26.6 | 87.3 |

**27 AWG** Stranded (7x35) .017" Bare Copper-covered Steel Conductor • Tinned Copper Braid Shield (93% Coverage)

| Polyethylene Insulation • Black PVC Jacket |             |   |        |         |      |     |           |      |      |            |      |      |    |     |      |      |      |      |      |
|--|-------------|---|--------|---------|------|-----|-----------|------|------|------------|------|------|----|-----|------|------|------|------|------|
| UL AWM                                     | <b>8218</b> | — | U-500  | U-152.4 | 8.5  | 3.8 | 27 AWG    | .100 | 2.54 | TC Braid   | .150 | 3.81 | 75 | 66% | 20.5 | 67.3 | 1    | 1.2  | 3.9  |
| Style 1354                                 |             |   | 500    | 152.4   | 8.0  | 3.6 | (7x35)    |      |      | 93% Shield |      |      |    |     |      |      | 10   | 2.4  | 7.9  |
| (30V 60°C)                                 |             |   | U-1000 | U-304.8 | 16.0 | 7.3 | .017"     |      |      | Coverage   |      |      |    |     |      |      | 50   | 4.2  | 13.8 |
|  |             |   | 1000   | 304.8   | 14.0 | 6.4 | BCCS      |      |      | 5.7Ω/M'    |      |      |    |     |      |      | 100  | 5.7  | 18.7 |
|  |             |   |        |         |      |     | 120.0Ω/M' |      |      | 18.7Ω/km   |      |      |    |     |      |      | 200  | 8.3  | 27.2 |
|  |             |   |        |         |      |     | 393.7Ω/km |      |      |            |      |      |    |     |      |      | 400  | 12.1 | 39.7 |
|  |             |   |        |         |      |     |           |      |      |            |      |      |    |     |      |      | 700  | 16.5 | 54.1 |
|  |             |   |        |         |      |     |           |      |      |            |      |      |    |     |      |      | 900  | 19.0 | 62.3 |
|  |             |   |        |         |      |     |           |      |      |            |      |      |    |     |      |      | 1000 | 20.0 | 65.6 |

**Miniature • 25 AWG** Solid .018" Tinned Copper Conductors • Duobond® (100% Coverage) + TC Braid Shield (95% Coverage)

| Gas-injected Foam HDPE Insulation • Black PVC Jacket |              |     |   |      |       |     |     |           |      |      |                |      |      |    |     |      |      |      |      |       |
|--|--------------|-----|---|------|-------|-----|-----|-----------|------|------|----------------|------|------|----|-----|------|------|------|------|-------|
| UL AWM   | <b>1281R</b> | new | 1 | 1000 | 304.8 | 8.0 | 3.6 | 25 AWG    | .074 | 1.88 | Duobond (100%) | .114 | 2.90 | 75 | 80% | 17.0 | 55.8 | 1    | .5   | 1.7   |
|  |              |     |   |      |       |     |     | (solid)   |      |      | + 95%          |      |      |    |     |      |      | 5    | 1.2  | 3.8   |
|  |              |     |   |      |       |     |     | .018"     |      |      | TC Braid       |      |      |    |     |      |      | 50   | 3.7  | 12.1  |
|  |              |     |   |      |       |     |     | TC        |      |      | TC Braid       |      |      |    |     |      |      | 100  | 4.9  | 16.1  |
|  |              |     |   |      |       |     |     | 34.0Ω/M'  |      |      | 5.4Ω/M'        |      |      |    |     |      |      | 200  | 6.7  | 22.0  |
|  |              |     |   |      |       |     |     | 111.6Ω/km |      |      | 17.7Ω/km       |      |      |    |     |      |      | 400  | 9.5  | 31.2  |
|  |              |     |   |      |       |     |     |           |      |      |                |      |      |    |     |      |      | 700  | 13.4 | 44.0  |
|  |              |     |   |      |       |     |     |           |      |      |                |      |      |    |     |      |      | 900  | 15.0 | 49.2  |
|  |              |     |   |      |       |     |     |           |      |      |                |      |      |    |     |      |      | 1000 | 15.8 | 51.8  |
|  |              |     |   |      |       |     |     |           |      |      |                |      |      |    |     |      |      | 3000 | 31.2 | 102.4 |

| Plenum • FPFA Insulation • Black Flamarrest® Jacket |              |     |   |      |       |      |     |           |      |      |                |      |      |    |     |      |      |      |      |       |
|---|--------------|-----|---|------|-------|------|-----|-----------|------|------|----------------|------|------|----|-----|------|------|------|------|-------|
| UL AWM  | <b>1282P</b> | new | 1 | 1000 | 304.8 | 10.0 | 4.5 | 25 AWG    | .074 | 1.88 | Duobond (100%) | .114 | 2.90 | 75 | 81% | 17.0 | 55.8 | 1    | .4   | 1.3   |
|   |              |     |   |      |       |      |     | (solid)   |      |      | + 95%          |      |      |    |     |      |      | 5    | .9   | 3.0   |
|   |              |     |   |      |       |      |     | .018"     |      |      | TC Braid       |      |      |    |     |      |      | 50   | 3.7  | 12.1  |
|   |              |     |   |      |       |      |     | TC        |      |      | TC Braid       |      |      |    |     |      |      | 100  | 5.0  | 16.4  |
|   |              |     |   |      |       |      |     | 31.8Ω/M'  |      |      | 5.8Ω/M'        |      |      |    |     |      |      | 200  | 7.0  | 23.0  |
|   |              |     |   |      |       |      |     | 104.3Ω/km |      |      | 19.0Ω/km       |      |      |    |     |      |      | 400  | 10.0 | 32.8  |
|   |              |     |   |      |       |      |     |           |      |      |                |      |      |    |     |      |      | 700  | 14.5 | 47.6  |
|   |              |     |   |      |       |      |     |           |      |      |                |      |      |    |     |      |      | 900  | 17.0 | 55.8  |
|   |              |     |   |      |       |      |     |           |      |      |                |      |      |    |     |      |      | 1000 | 17.5 | 57.4  |
|   |              |     |   |      |       |      |     |           |      |      |                |      |      |    |     |      |      | 3000 | 37.0 | 121.4 |

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FPFA = Foam Perfluoroalkoxy • HDPE = High-density Polyethylene • TC = Tinned Copper



# Standard Analog Video Cable

RG-59/U Type



| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor<br>(stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding<br>Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp.<br>(Ω) | Nom. Vel.<br>of Prop. | Nominal Capacitance |      | Nominal Attenuation |                |             |
|-------------|----------|------------------------------|------------------|---|----------------------|----|--|-----------------|----|------------------------------------|------------|----|------------------|-----------------------|---------------------|------|---------------------|----------------|-------------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |  | Inch            | mm |                                    | Inch       | mm |                  |                       | pF/Ft.              | pF/m | MHz                 | dB/<br>100 Ft. | dB/<br>100m |

**23 AWG Solid .023" Bare Copper or Bare Copper-covered Steel Conductor (see below) • Bare Copper Braid Shield (95% Coverage)**

| Polyethylene Insulation • Black PVC Jacket |             |      |       |         |         |      |         |           |      |            |          |      |    |     |      |      |      |      |      |      |
|--|-------------|------|-------|---------|---------|------|---------|-----------|------|------------|----------|------|----|-----|------|------|------|------|------|------|
| UL AWM                                     | <b>8241</b> | NEC: | 100   | 30.5    | 4.4     | 2.0  | 23 AWG  | .146      | 3.71 | BC Braid   | .240     | 6.10 | 75 | 66% | 20.5 | 67.3 | 1    | .6   | 2.0  |      |
| Style 1354                                 |             | CM   | U-500 | U-152.4 | 19.5    | 8.9  | (solid) |           |      | 95% Shield |          |      |    |     |      |      |      | 10   | 1.1  | 3.6  |
| (30V 75°C)                                 |             |      |       | 500     | 152.4   | 18.5 | 8.4     | .023"     |      |            | Coverage |      |    |     |      |      |      | 50   | 2.4  | 7.9  |
| VW-1                                       |             |      |       | U-1000* | U-304.8 | 38.0 | 17.2    | BCCS      |      |            | 2.6Ω/M'  |      |    |     |      |      |      | 100  | 3.4  | 11.2 |
|  |             |      |       | 1000    | 304.8   | 40.0 | 18.1    | 49.0Ω/M'  |      |            | 8.5Ω/km  |      |    |     |      |      |      | 200  | 4.9  | 16.1 |
|  |             |      |       | 2000    | 609.6   | 80.0 | 36.3    | 160.7Ω/km |      |            |          |      |    |     |      |      |      | 400  | 7.0  | 23.0 |
|  |             |      | 5000  | 1524.0  | 200.0   | 90.7 |         |           |      |            |          |      |    |     |      |      | 700  | 9.7  | 31.8 |      |
|  |             |      |       |         |         |      |         |           |      |            |          |      |    |     |      |      | 900  | 11.1 | 36.4 |      |
|  |             |      |       |         |         |      |         |           |      |            |          |      |    |     |      |      | 1000 | 12.0 | 39.4 |      |

\*U-1000 ft. put-up also available in Red, Yellow, Green, Lt. Blue, White or Orange.

| Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket |              |         |        |         |      |      |           |      |      |            |      |      |    |     |      |      |      |      |      |      |
|--|--------------|---------|--------|---------|------|------|-----------|------|------|------------|------|------|----|-----|------|------|------|------|------|------|
| UL AWM   | <b>8241A</b> | NEC:    | U-1000 | U-304.8 | 40.0 | 18.1 | 23 AWG    | .146 | 3.71 | BC Braid   | .242 | 6.15 | 75 | 66% | 20.5 | 67.3 | 1    | .6   | 2.0  |      |
| Style 1354   |              | CMG     | 1000   | 304.8   | 42.0 | 19.1 | (solid)   |      |      | 95% Shield |      |      |    |     |      |      |      | 5    | .9   | 3.0  |
| (30V 75°C)   |              | CEC:    |        |         |      |      | .023"     |      |      | Coverage   |      |      |    |     |      |      |      | 10   | 1.1  | 3.6  |
|  |              | CMG FT4 |        |         |      |      | BCCS      |      |      | 2.6Ω/M'    |      |      |    |     |      |      |      | 50   | 2.4  | 7.9  |
|  |              |         |        |         |      |      | 49.0Ω/M'  |      |      | 8.5Ω/km    |      |      |    |     |      |      |      | 100  | 3.4  | 11.2 |
|  |              |         |        |         |      |      | 160.7Ω/km |      |      |            |      |      |    |     |      |      |      | 200  | 4.9  | 16.1 |
|  |              |         |        |         |      |      |           |      |      |            |      |      |    |     |      |      | 400  | 7.0  | 23.0 |      |
|  |              |         |        |         |      |      |           |      |      |            |      |      |    |     |      |      | 700  | 10.1 | 33.1 |      |
|  |              |         |        |         |      |      |           |      |      |            |      |      |    |     |      |      | 900  | 11.7 | 38.4 |      |
|  |              |         |        |         |      |      |           |      |      |            |      |      |    |     |      |      | 1000 | 13.2 | 43.3 |      |

Suitable for Indoor and Outdoor applications.

| Polyethylene Insulation • Black PVC Jacket |              |      |        |         |      |      |          |      |      |            |      |      |    |     |      |      |      |      |      |      |
|--|--------------|------|--------|---------|------|------|----------|------|------|------------|------|------|----|-----|------|------|------|------|------|------|
| UL AWM                                     | <b>8241B</b> | NEC: | U-1000 | U-304.8 | 36.0 | 16.3 | 23 AWG   | .146 | 3.71 | BC Braid   | .242 | 6.15 | 75 | 66% | 20.5 | 67.3 | 1    | .4   | 1.3  |      |
| Style 1354                                 |              | CM   | 1000   | 304.8   | 37.0 | 16.8 | (solid)  |      |      | 95% Shield |      |      |    |     |      |      |      | 10   | 1.1  | 3.6  |
| (30V 80°C)                                 |              | CEC: |        |         |      |      | .023"    |      |      | Coverage   |      |      |    |     |      |      |      | 50   | 2.4  | 7.9  |
|  |              | CM   |        |         |      |      | BC       |      |      | 2.9Ω/M'    |      |      |    |     |      |      |      | 100  | 3.4  | 11.2 |
|  |              |      |        |         |      |      | 20.4Ω/M' |      |      | 9.5Ω/km    |      |      |    |     |      |      |      | 200  | 4.9  | 16.1 |
|  |              |      |        |         |      |      | 66.9Ω/km |      |      |            |      |      |    |     |      |      |      | 400  | 7.0  | 23.0 |
|  |              |      |        |         |      |      |          |      |      |            |      |      |    |     |      |      | 700  | 9.7  | 31.8 |      |
|  |              |      |        |         |      |      |          |      |      |            |      |      |    |     |      |      | 900  | 11.1 | 36.4 |      |
|  |              |      |        |         |      |      |          |      |      |            |      |      |    |     |      |      | 1000 | 12.0 | 39.4 |      |

Suitable for Indoor and Outdoor applications.

**22 AWG Stranded (7x30) .030" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)**

| Foam Polyethylene Insulation • PVC Jacket (Available in Matte Black, Red, Blue, Green, White, Gray or Yellow) |              |   |      |       |      |      |          |      |      |            |      |      |    |     |      |      |      |      |      |      |
|---|--------------|---|------|-------|------|------|----------|------|------|------------|------|------|----|-----|------|------|------|------|------|------|
| High-Flex   | <b>8241F</b> | — | 1000 | 304.8 | 35.0 | 15.9 | 22 AWG   | .146 | 3.71 | BC Braid   | .242 | 6.15 | 75 | 78% | 17.3 | 56.8 | 1    | .3   | 1.0  |      |
| 60°C  |              |   |      |       |      |      | (7x30)   |      |      | 95% Shield |      |      |    |     |      |      |      | 10   | .9   | 3.0  |
|   |              |   |      |       |      |      | .030"    |      |      | Coverage   |      |      |    |     |      |      |      | 50   | 2.1  | 6.9  |
|   |              |   |      |       |      |      | BC       |      |      | 2.6Ω/M'    |      |      |    |     |      |      |      | 100  | 3.0  | 9.8  |
|   |              |   |      |       |      |      | 15.0Ω/M' |      |      | 8.5Ω/km    |      |      |    |     |      |      |      | 200  | 4.5  | 14.8 |
|   |              |   |      |       |      |      | 49.2Ω/km |      |      |            |      |      |    |     |      |      |      | 400  | 6.6  | 21.7 |
|   |              |   |      |       |      |      |          |      |      |            |      |      |    |     |      |      | 700  | 8.9  | 29.2 |      |
|   |              |   |      |       |      |      |          |      |      |            |      |      |    |     |      |      | 900  | 10.1 | 33.1 |      |
|   |              |   |      |       |      |      |          |      |      |            |      |      |    |     |      |      | 1000 | 10.9 | 35.8 |      |

**23 AWG Solid .023" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (97% Coverage)**

| Plenum • FEP Insulation • Black FEP Jacket |              |         |       |       |      |      |           |      |      |            |      |      |    |       |      |      |      |      |      |      |
|--|--------------|---------|-------|-------|------|------|-----------|------|------|------------|------|------|----|-------|------|------|------|------|------|------|
| 200°C                                      | <b>88241</b> | NEC:    | 500†  | 152.4 | 18.0 | 8.2  | 23 AWG    | .132 | 3.35 | BC Braid   | .190 | 4.83 | 75 | 69.5% | 19.5 | 64.0 | 1    | .5   | 1.6  |      |
|  |              | CMP     | 1000† | 304.8 | 36.0 | 16.3 | (solid)   |      |      | 97% Shield |      |      |    |       |      |      |      | 10   | 1.0  | 3.3  |
|  |              | CEC:    |       |       |      |      | .023"     |      |      | Coverage   |      |      |    |       |      |      |      | 50   | 2.3  | 7.5  |
|  |              | CMP FT6 |       |       |      |      | BCCS      |      |      | 2.6Ω/M'    |      |      |    |       |      |      |      | 100  | 3.3  | 10.8 |
|  |              |         |       |       |      |      | 49.0Ω/M'  |      |      | 8.5Ω/km    |      |      |    |       |      |      |      | 200  | 5.2  | 17.1 |
|  |              |         |       |       |      |      | 160.7Ω/km |      |      |            |      |      |    |       |      |      |      | 400  | 8.4  | 27.6 |
|  |              |         |       |       |      |      |           |      |      |            |      |      |    |       |      |      | 700  | 11.6 | 38.0 |      |
|  |              |         |       |       |      |      |           |      |      |            |      |      |    |       |      |      | 900  | 13.8 | 45.3 |      |
|  |              |         |       |       |      |      |           |      |      |            |      |      |    |       |      |      | 1000 | 14.8 | 48.6 |      |

Suitable for Outdoor and Direct Burial applications.

| Plenum • FEP Insulation • Natural Flammarrest® Jacket |              |         |         |         |      |      |           |      |      |            |      |      |    |       |      |      |      |      |      |      |
|---|--------------|---------|---------|---------|------|------|-----------|------|------|------------|------|------|----|-------|------|------|------|------|------|------|
| 75°C  | <b>82241</b> | NEC:    | U-500†  | U-152.4 | 18.5 | 8.4  | 23 AWG    | .134 | 3.35 | BC Braid   | .190 | 4.83 | 75 | 69.5% | 19.5 | 64.0 | 1    | .5   | 1.6  |      |
|   |              | CMP     | U-1000† | U-304.8 | 36.0 | 16.3 | (solid)   |      |      | 97% Shield |      |      |    |       |      |      |      | 10   | 1.0  | 3.3  |
|   |              | CEC:    | 1000†   | 304.8   | 34.0 | 15.4 | .023"     |      |      | Coverage   |      |      |    |       |      |      |      | 50   | 2.3  | 7.5  |
|   |              | CMP FT6 |         |         |      |      | BCCS      |      |      | 2.6Ω/M'    |      |      |    |       |      |      |      | 100  | 3.3  | 10.8 |
|   |              |         |         |         |      |      | 49.0Ω/M'  |      |      | 8.5Ω/km    |      |      |    |       |      |      |      | 200  | 5.2  | 17.1 |
|   |              |         |         |         |      |      | 160.7Ω/km |      |      |            |      |      |    |       |      |      |      | 400  | 8.4  | 27.6 |
|   |              |         |         |         |      |      |           |      |      |            |      |      |    |       |      |      | 700  | 11.6 | 38.0 |      |
|   |              |         |         |         |      |      |           |      |      |            |      |      |    |       |      |      | 900  | 13.8 | 45.3 |      |
|   |              |         |         |         |      |      |           |      |      |            |      |      |    |       |      |      | 1000 | 14.8 | 48.6 |      |

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)

# Standard Analog Video Cable

RG-59/U Type



| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor<br>(stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding<br>Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp.<br>(Ω) | Nom. Vel.<br>of Prop. | Nominal Capacitance |      | Nominal Attenuation |                |             |
|-------------|----------|------------------------------|------------------|---|----------------------|----|--|-----------------|----|------------------------------------|------------|----|------------------|-----------------------|---------------------|------|---------------------|----------------|-------------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |  | Inch            | mm |                                    | Inch       | mm |                  |                       | pF/Ft.              | pF/m | MHz                 | dB/<br>100 Ft. | dB/<br>100m |

**22 AWG Solid Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)**

**Polyethylene Insulation • Black PVC Jacket**

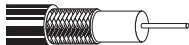
|                                    |             |                            |                         |                             |                      |                     |                            |      |      |  |      |      |    |     |      |      |  |  |   |
|------------------------------------|-------------|----------------------------|-------------------------|-----------------------------|----------------------|---------------------|----------------------------|------|------|--|------|------|----|-----|------|------|--|--|---|
| UL AWM<br>Style 1354<br>(30V 60°C) | <b>8263</b> | NEC:<br>CMX<br>CEC:<br>CMX | U-500<br>U-1000<br>1000 | U-152.4<br>U-304.8<br>304.8 | 19.5<br>38.0<br>39.0 | 8.2<br>17.2<br>17.7 | 22 AWG<br>(solid)<br>.023" | .146 | 3.71 | BC Braid<br>95% Shield<br>Coverage<br>BCCS<br>2.6Ω/M'<br>49.0Ω/M'<br>160.7Ω/km | .242 | 6.15 | 75 | 66% | 20.5 | 67.3 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .6<br>1.1<br>2.4<br>3.4<br>4.9<br>7.0<br>9.7<br>11.1<br>12.0 | 2.0<br>3.6<br>7.9<br>11.2<br>16.1<br>23.0<br>31.8<br>36.4<br>39.4 |
|------------------------------------|-------------|----------------------------|-------------------------|-----------------------------|----------------------|---------------------|----------------------------|------|------|--|------|------|----|-----|------|------|--|--|---|



Non-contaminating Black PVC Jacket. Suitable for Indoor and Outdoor applications.

**Foam Polyethylene Insulation • Black PVC Jacket**

|      |             |   |                                |                                      |                              |                            |                            |      |      |  |      |      |    |     |      |      |  |   |  |
|------|-------------|---|--------------------------------|--------------------------------------|------------------------------|----------------------------|----------------------------|------|------|--|------|------|----|-----|------|------|--|---|--|
| 75°C | <b>8221</b> | — | U-500<br>500<br>U-1000<br>1000 | U-152.4<br>152.4<br>U-304.8<br>304.8 | 18.5<br>17.0<br>36.0<br>37.0 | 8.2<br>7.7<br>16.3<br>16.8 | 22 AWG<br>(solid)<br>.025" | .146 | 3.71 | BC Braid<br>95% Shield<br>Coverage<br>BCCS<br>2.6Ω/M'<br>50.0Ω/M'<br>164.0Ω/km | .242 | 6.15 | 80 | 78% | 16.3 | 53.5 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .4<br>.9<br>2.0<br>2.9<br>4.1<br>5.9<br>7.8<br>8.8<br>9.9 | 1.4<br>3.0<br>6.6<br>9.5<br>13.5<br>19.4<br>25.6<br>28.9<br>32.5 |
|------|-------------|---|--------------------------------|--------------------------------------|------------------------------|----------------------------|----------------------------|------|------|--|------|------|----|-----|------|------|--|---|--|



Suitable for Outdoor and Aerial applications when supported by a Messenger Wire.

**22 AWG Solid Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (85% Coverage)**

**Polyethylene Insulation • Black PVC Jacket**

|                                    |             |                            |                                 |                                       |                               |                             |                            |      |      |   |      |      |    |     |      |      |  |  |   |
|------------------------------------|-------------|----------------------------|---------------------------------|---------------------------------------|-------------------------------|-----------------------------|----------------------------|------|------|---|------|------|----|-----|------|------|--|--|---|
| UL AWM<br>Style 1354<br>(30V 80°C) | <b>9244</b> | NEC:<br>CMX<br>CEC:<br>CMX | U-500<br>U-1000<br>1000<br>3280 | U-152.4<br>U-304.8<br>304.8<br>1000.0 | 18.0<br>35.0<br>36.0<br>118.1 | 8.2<br>15.9<br>16.3<br>53.8 | 22 AWG<br>(solid)<br>.025" | .146 | 3.71 | BC Braid<br>85% Shield<br>Coverage<br>BCCS<br>4.5Ω/M'<br>14.8Ω/km | .242 | 6.15 | 75 | 66% | 19.4 | 63.6 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .6<br>1.1<br>2.4<br>3.4<br>4.9<br>7.0<br>9.7<br>11.1<br>12.0 | 2.0<br>3.6<br>7.9<br>11.2<br>16.1<br>23.0<br>31.8<br>36.4<br>39.4 |
|------------------------------------|-------------|----------------------------|---------------------------------|---------------------------------------|-------------------------------|-----------------------------|----------------------------|------|------|---|------|------|----|-----|------|------|--|--|---|

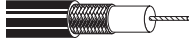


Suitable for Indoor and Outdoor applications.

**22 AWG Stranded (7x30) .030" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)**

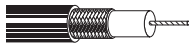
**Foam Polyethylene Insulation • Black PVC Jacket**

|  |             |                            |                         |                             |                      |                     |                           |      |      |  |      |      |    |     |      |      |  |   |  |
|--|-------------|----------------------------|-------------------------|-----------------------------|----------------------|---------------------|---------------------------|------|------|--|------|------|----|-----|------|------|--|---|--|
| UL AWM<br>Style 1354<br>(30V 60°C)<br>VW-1 | <b>9659</b> | NEC:<br>CMX<br>CEC:<br>CMX | U-500<br>U-1000<br>1000 | U-152.4<br>U-304.8<br>304.8 | 19.0<br>37.0<br>38.0 | 8.6<br>16.8<br>17.2 | 22 AWG<br>(7x30)<br>.030" | .146 | 3.71 | BC Braid<br>95% Shield<br>Coverage<br>BC<br>2.6Ω/M'<br>8.5Ω/km | .242 | 6.15 | 75 | 78% | 17.3 | 56.7 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .3<br>.9<br>2.1<br>3.0<br>4.5<br>6.6<br>8.9<br>10.1<br>10.9 | 1.0<br>3.0<br>6.9<br>9.8<br>14.8<br>21.7<br>29.2<br>33.1<br>35.8 |
|--|-------------|----------------------------|-------------------------|-----------------------------|----------------------|---------------------|---------------------------|------|------|--|------|------|----|-----|------|------|--|---|--|



Non-contaminating PVC Jacket. For CCTV applications. Suitable for Indoor and Outdoor applications.

|                                    |             |                          |                                       |  |                                   |                                   |                           |      |      |  |      |      |    |     |      |      |  |   |  |
|------------------------------------|-------------|--------------------------|---------------------------------------|--|-----------------------------------|-----------------------------------|---------------------------|------|------|--|------|------|----|-----|------|------|--|---|--|
| UL AWM<br>Style 1354<br>(30V 80°C) | <b>9259</b> | NEC:<br>CM<br>CEC:<br>CM | 100<br>U-500<br>500<br>U-1000<br>1000 | 30.5<br>U-152.4<br>152.4<br>U-304.8<br>304.8 | 4.1<br>8.2<br>7.5<br>15.9<br>16.8 | 1.9<br>8.2<br>7.5<br>15.9<br>16.8 | 22 AWG<br>(7x30)<br>.030" | .146 | 3.71 | BC Braid<br>95% Shield<br>Coverage<br>BC<br>2.6Ω/M'<br>8.5Ω/km | .241 | 6.12 | 75 | 78% | 17.3 | 56.7 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .3<br>.9<br>2.1<br>3.0<br>4.5<br>6.6<br>8.9<br>10.1<br>10.9 | 1.0<br>3.0<br>6.9<br>9.8<br>14.8<br>21.7<br>29.2<br>33.1<br>35.8 |
|------------------------------------|-------------|--------------------------|---------------------------------------|--|-----------------------------------|-----------------------------------|---------------------------|------|------|--|------|------|----|-----|------|------|--|---|--|



For CCTV applications. Suitable for Indoor and Outdoor applications.

**Plenum • Foam FEP Insulation • Black FEP Jacket**

|       |              |                                |                       |                        |                     |                    |                           |      |      |  |      |      |    |     |      |      |  |   |  |
|-------|--------------|--------------------------------|-----------------------|------------------------|---------------------|--------------------|---------------------------|------|------|--|------|------|----|-----|------|------|--|---|--|
| 200°C | <b>89259</b> | NEC:<br>CMP<br>CEC:<br>CMP FT6 | 100†<br>500†<br>1000† | 30.5<br>152.4<br>304.8 | 5.1<br>16.0<br>32.0 | 2.3<br>7.3<br>14.5 | 22 AWG<br>(7x30)<br>.030" | .135 | 3.43 | BC Braid<br>95% Shield<br>Coverage<br>BC<br>2.6Ω/M'<br>8.5Ω/km | .193 | 4.90 | 75 | 78% | 17.3 | 56.7 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .3<br>.9<br>2.1<br>3.0<br>4.5<br>6.6<br>9.0<br>10.1<br>11.0 | 1.0<br>3.0<br>6.9<br>9.8<br>14.8<br>21.7<br>29.5<br>33.1<br>36.1 |
|-------|--------------|--------------------------------|-----------------------|------------------------|---------------------|--------------------|---------------------------|------|------|--|------|------|----|-----|------|------|--|---|--|



Suitable for Outdoor and Direct Burial applications.

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

**Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket**

|      |              |                                |                |                  |              |              |                           |      |      |  |      |      |    |     |      |      |  |   |  |
|------|--------------|--------------------------------|----------------|------------------|--------------|--------------|---------------------------|------|------|--|------|------|----|-----|------|------|--|---|--|
| 75°C | <b>82259</b> | NEC:<br>CMP<br>CEC:<br>CMP FT6 | U-1000<br>1000 | U-304.8<br>304.8 | 31.0<br>30.0 | 14.1<br>13.6 | 22 AWG<br>(7x30)<br>.030" | .135 | 3.43 | BC Braid<br>95% Shield<br>Coverage<br>BC<br>2.6Ω/M'<br>8.5Ω/km | .193 | 4.90 | 75 | 78% | 17.3 | 56.7 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .3<br>.9<br>2.1<br>3.0<br>4.5<br>6.6<br>9.0<br>10.1<br>11.0 | 1.0<br>3.0<br>6.9<br>9.8<br>14.8<br>21.7<br>29.5<br>33.1<br>36.1 |
|------|--------------|--------------------------------|----------------|------------------|--------------|--------------|---------------------------|------|------|--|------|------|----|-----|------|------|--|---|--|



BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of RG/U cables not listed.



For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

# Standard Analog Video Cable

RG-59/U Type



| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor<br>(stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding<br>Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp.<br>(Ω) | Nom. Vel.<br>of Prop. | Nominal Capacitance |      | Nominal Attenuation |                |             |
|-------------|----------|------------------------------|------------------|---|----------------------|----|--|-----------------|----|------------------------------------|------------|----|------------------|-----------------------|---------------------|------|---------------------|----------------|-------------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |  | Inch            | mm |                                    | Inch       | mm |                  |                       | pF/Ft.              | pF/m | MHz                 | dB/<br>100 Ft. | dB/<br>100m |

**20 AWG Solid .032" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (80% Coverage)**

| <b>Foam Polyethylene Insulation • Black PVC Jacket</b> |             |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |      |      |      |
|--|-------------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|------|------|------|
| 75°C   | <b>9240</b> | — | 1000 | 304.8 | 31.0 | 14.1 | 20 AWG<br>(solid)<br>.032"<br>BCCS<br>44.5Ω/M'<br>146.0Ω/km | .143 | 3.63 | BC Braid<br>80% Shield<br>Coverage<br>5.6Ω/M'<br>18.4Ω/km | .241 | 6.12 | 75 | 78% | 17.3 | 56.7 | 1    | .6   | 2.0  |
|  |             |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      | 10   | 1.0  | 3.3  |
|  |             |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      | 50   | 2.1  | 6.9  |
|  |             |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      | 100  | 3.0  | 9.8  |
|  |             |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      | 200  | 4.5  | 14.8 |
|  |             |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      | 400  | 6.6  | 21.7 |
|  |             |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      | 700  | 8.9  | 29.2 |
|  |             |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      | 900  | 10.1 | 33.1 |
|  |             |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      | 1000 | 10.9 | 35.8 |

Suitable for Outdoor applications.

**20 AWG Solid .032" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)**

| <b>Foam Polyethylene Insulation • Black Polyethylene Jacket</b> |             |   |        |         |      |      |   |      |      |  |      |      |    |     |      |      |      |      |      |
|---|-------------|---|--------|---------|------|------|---|------|------|--|------|------|----|-----|------|------|------|------|------|
| 80°C  | <b>8212</b> | — | U-500  | U-152.4 | 16.5 | 7.5  | 20 AWG<br>(solid)<br>.032"<br>BCCS<br>44.5Ω/M'<br>146.0Ω/km | .143 | 3.63 | BC Braid<br>95% Shield<br>Coverage<br>2.6Ω/M'<br>8.5Ω/km | .242 | 6.15 | 75 | 78% | 17.3 | 56.7 | 1    | .6   | 2.0  |
|   |             |   | 500    | 152.4   | 15.0 | 6.8  |   |      |      |  |      |      |    |     |      |      | 10   | 1.0  | 3.3  |
|   |             |   | U-1000 | U-304.8 | 31.0 | 14.1 |   |      |      |  |      |      |    |     |      |      | 50   | 2.1  | 6.9  |
|   |             |   | 1000   | 304.8   | 33.0 | 15.0 |   |      |      |  |      |      |    |     |      |      | 100  | 3.0  | 9.8  |
|   |             |   |        |         |      |      |   |      |      |  |      |      |    |     |      |      | 200  | 4.5  | 14.8 |
|   |             |   |        |         |      |      |   |      |      |  |      |      |    |     |      |      | 400  | 6.6  | 21.7 |
|   |             |   |        |         |      |      |   |      |      |  |      |      |    |     |      |      | 700  | 8.9  | 29.2 |
|   |             |   |        |         |      |      |   |      |      |  |      |      |    |     |      |      | 900  | 10.1 | 33.1 |
|   |             |   |        |         |      |      |   |      |      |  |      |      |    |     |      |      | 1000 | 10.9 | 35.8 |

Suitable for Outdoor and Aerial applications when supported by a Messenger Wire.

| <b>Foam Polyethylene Insulation • Black PVC Jacket</b> |             |                          |      |       |      |      |   |      |      |   |      |      |    |     |      |      |      |      |      |
|--|-------------|--------------------------|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|------|------|------|
| 80°C   | <b>9274</b> | NEC:<br>CM<br>CEC:<br>CM | 500  | 152.4 | 15.5 | 7.0  | 20 AWG<br>(solid)<br>.032"<br>BCCS<br>44.5Ω/M'<br>146.0Ω/km | .143 | 3.63 | BC Braid<br>95% Shield<br>Coverage<br>3.5Ω/M'<br>11.5Ω/km | .240 | 6.10 | 75 | 82% | 16.3 | 53.5 | 1    | .6   | 2.0  |
|  |             |                          | 1000 | 304.8 | 35.0 | 15.9 |   |      |      |   |      |      |    |     |      |      | 10   | 1.0  | 3.3  |
|  |             |                          |      |       |      |      |   |      |      |   |      |      |    |     |      |      | 50   | 2.1  | 6.9  |
|  |             |                          |      |       |      |      |   |      |      |   |      |      |    |     |      |      | 100  | 3.0  | 9.8  |
|  |             |                          |      |       |      |      |   |      |      |   |      |      |    |     |      |      | 200  | 4.5  | 14.8 |
|  |             |                          |      |       |      |      |   |      |      |   |      |      |    |     |      |      | 400  | 6.6  | 21.7 |
|  |             |                          |      |       |      |      |   |      |      |   |      |      |    |     |      |      | 700  | 8.9  | 29.2 |
|  |             |                          |      |       |      |      |   |      |      |   |      |      |    |     |      |      | 900  | 10.1 | 33.1 |
|  |             |                          |      |       |      |      |   |      |      |   |      |      |    |     |      |      | 1000 | 10.9 | 35.8 |

Suitable for Outdoor applications.

**20 AWG Solid .032" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)**

| <b>Gas-injected Foam HDPE Insulation • Black PVC Jacket</b> |              |            |        |         |      |      |  |      |      |  |      |      |    |     |      |      |      |     |      |
|---|--------------|------------|--------|---------|------|------|--|------|------|--|------|------|----|-----|------|------|------|-----|------|
| UL AWM<br>Style 1354<br>(30V 75°C)                          | <b>1426A</b> | NEC:<br>CM | U-1000 | U-304.8 | 35.0 | 15.9 | 20 AWG<br>(solid)<br>.032"<br>BC<br>10.0Ω/M'<br>32.8Ω/km | .145 | 3.68 | BC Braid<br>95% Shield<br>Coverage<br>2.6Ω/M'<br>8.5Ω/km | .242 | 6.15 | 75 | 83% | 16.3 | 53.5 | 1    | .3  | 1.0  |
|   |              |            |        |         |      |      |  |      |      |  |      |      |    |     |      |      | 5    | .7  | 2.1  |
|   |              |            |        |         |      |      |  |      |      |  |      |      |    |     |      |      | 10   | .9  | 3.0  |
|   |              |            |        |         |      |      |  |      |      |  |      |      |    |     |      |      | 50   | 1.9 | 6.2  |
|   |              |            |        |         |      |      |  |      |      |  |      |      |    |     |      |      | 100  | 2.6 | 8.5  |
|   |              |            |        |         |      |      |  |      |      |  |      |      |    |     |      |      | 200  | 3.6 | 11.8 |
|   |              |            |        |         |      |      |  |      |      |  |      |      |    |     |      |      | 400  | 5.0 | 16.4 |
|   |              |            |        |         |      |      |  |      |      |  |      |      |    |     |      |      | 700  | 7.0 | 23.0 |
|   |              |            |        |         |      |      |  |      |      |  |      |      |    |     |      |      | 900  | 8.0 | 26.3 |
|   |              |            |        |         |      |      |  |      |      |  |      |      |    |     |      |      | 1000 | 8.5 | 27.9 |

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.


# Standard Analog Video Cable

## RG-6/U Type




| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**21 AWG Solid .028" Bare Copper-covered Steel Conductor • Double Bare Copper Braid Shields (98% Coverage)**


| Polyethylene Insulation • Black Polyethylene Jacket  |             |   |      |       |      |      |                         |      |      |                                      |      |      |    |     |      |      |   |    |     |
|--|-------------|---|------|-------|------|------|-------------------------|------|------|--------------------------------------|------|------|----|-----|------|------|---|----|-----|
| MATV Cable<br>80°C   | <b>8215</b> | — | 1000 | 304.8 | 74.0 | 33.6 | 21 AWG (solid)<br>.028" | .185 | 4.70 | (2) BC Braids<br>98% Shield Coverage | .332 | 8.43 | 75 | 66% | 20.5 | 67.2 | 1 | .4 | 1.3 |
|                            |             |   |      |       |      |      |                         |      |      |                                      |      |      |    |     |      |      |   |    |     |
| BCCS<br>32.0Ω/M'<br>105.0Ω/km  |             |   |      |       |      |      |                         |      |      |                                      |      |      |    |     |      |      |   |    |     |
| 100% Sweep tested. 5 MHz to 450 MHz.   |             |   |      |       |      |      |                         |      |      |                                      |      |      |    |     |      |      |   |    |     |
| 50 1.9 6.2<br>100 2.7 8.9<br>200 4.1 13.4<br>400 5.9 19.4<br>700 8.1 26.6<br>900 9.4 30.8<br>1000 9.8 32.1 |             |   |      |       |      |      |                         |      |      |                                      |      |      |    |     |      |      |   |    |     |

**18 AWG Solid .037" Bare Copper Conductor • Double Bare Copper Braid Shields (98% Coverage)**


| Foam Polyethylene Insulation • Black PVC Jacket  |             |                          |              |                |               |              |                         |      |      |                                      |      |      |    |     |      |      |   |    |    |
|--|-------------|--------------------------|--------------|----------------|---------------|--------------|-------------------------|------|------|--------------------------------------|------|------|----|-----|------|------|---|----|----|
| 80°C   | <b>9290</b> | NEC:<br>CM<br>CEC:<br>CM | 1000<br>2000 | 304.8<br>609.6 | 59.0<br>118.0 | 26.8<br>53.6 | 18 AWG (solid)<br>.037" | .180 | 4.57 | (2) BC Braids<br>98% Shield Coverage | .288 | 7.32 | 75 | 81% | 17.3 | 56.7 | 1 | .2 | .7 |
|                            |             |                          |              |                |               |              |                         |      |      |                                      |      |      |    |     |      |      |   |    |    |
| BC<br>7.5Ω/M'<br>24.6Ω/km  |             |                          |              |                |               |              |                         |      |      |                                      |      |      |    |     |      |      |   |    |    |
| 2.0Ω/M'<br>7.5Ω/km   |             |                          |              |                |               |              |                         |      |      |                                      |      |      |    |     |      |      |   |    |    |
| 100% Sweep tested. 5 MHz to 450 MHz.   |             |                          |              |                |               |              |                         |      |      |                                      |      |      |    |     |      |      |   |    |    |
| 50 1.7 5.6<br>100 2.5 8.2<br>200 3.6 11.8<br>400 5.3 17.4<br>700 7.2 23.6<br>900 8.3 27.2<br>1000 8.8 28.9 |             |                          |              |                |               |              |                         |      |      |                                      |      |      |    |     |      |      |   |    |    |

Suitable for Indoor and Outdoor applications.


**18 AWG Solid .040" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (65% Coverage)**

| Plenum • Foam FEP Insulation • Black FEP Jacket  |              |                                |                        |                         |                      |                     |                         |      |      |                           |      |      |    |     |      |      |   |    |     |
|--|--------------|--------------------------------|------------------------|-------------------------|----------------------|---------------------|-------------------------|------|------|---------------------------|------|------|----|-----|------|------|---|----|-----|
| 200°C  | <b>89248</b> | NEC:<br>CMP<br>CEC:<br>CMP FT6 | 500†<br>1000†<br>2000† | 152.4<br>304.8<br>609.6 | 15.0<br>33.0<br>64.0 | 6.8<br>15.0<br>29.0 | 18 AWG (solid)<br>.040" | .170 | 4.32 | Duofoil + 65% TC<br>Braid | .222 | 5.64 | 75 | 82% | 16.5 | 50.3 | 1 | .3 | 1.0 |
|                          |              |                                |                        |                         |                      |                     |                         |      |      |                           |      |      |    |     |      |      |   |    |     |
| BC<br>6.4Ω/M'<br>21.0Ω/km  |              |                                |                        |                         |                      |                     |                         |      |      |                           |      |      |    |     |      |      |   |    |     |
| 5.1Ω/M'<br>16.7Ω/km  |              |                                |                        |                         |                      |                     |                         |      |      |                           |      |      |    |     |      |      |   |    |     |
| 100% Sweep tested. 5 MHz to 450 MHz.   |              |                                |                        |                         |                      |                     |                         |      |      |                           |      |      |    |     |      |      |   |    |     |
| 50 1.5 4.9<br>100 2.1 6.9<br>200 3.1 10.2<br>400 4.5 14.8<br>700 6.0 19.7<br>900 6.9 22.6<br>1000 7.3 23.9 |              |                                |                        |                         |                      |                     |                         |      |      |                           |      |      |    |     |      |      |   |    |     |

Suitable for Outdoor and Direct Burial applications.

| Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket   |              |                                |                  |                  |              |              |                         |      |      |                           |      |      |    |     |      |      |   |    |     |
|---|--------------|--------------------------------|------------------|------------------|--------------|--------------|-------------------------|------|------|---------------------------|------|------|----|-----|------|------|---|----|-----|
| 75°C  | <b>82248</b> | NEC:<br>CMP<br>CEC:<br>CMP FT6 | U-1000†<br>1000† | U-304.8<br>304.8 | 29.0<br>31.0 | 13.2<br>14.1 | 18 AWG (solid)<br>.040" | .170 | 4.32 | Duofoil + 65% TC<br>Braid | .222 | 5.64 | 75 | 82% | 16.5 | 50.3 | 1 | .3 | 1.0 |
|                         |              |                                |                  |                  |              |              |                         |      |      |                           |      |      |    |     |      |      |   |    |     |
| BC<br>6.4Ω/M'<br>21.0Ω/km   |              |                                |                  |                  |              |              |                         |      |      |                           |      |      |    |     |      |      |   |    |     |
| 5.1Ω/M'<br>16.7Ω/km   |              |                                |                  |                  |              |              |                         |      |      |                           |      |      |    |     |      |      |   |    |     |
| 100% Sweep tested. 5 MHz to 450 MHz.  |              |                                |                  |                  |              |              |                         |      |      |                           |      |      |    |     |      |      |   |    |     |
| 50 1.6 5.2<br>100 2.2 7.2<br>200 3.0 9.8<br>400 4.6 15.1<br>700 6.6 21.6<br>900 7.7 25.3<br>1000 8.2 26.9 |              |                                |                  |                  |              |              |                         |      |      |                           |      |      |    |     |      |      |   |    |     |

**18 AWG Solid .040" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (60% Coverage)**

| Gas-injected Foam HDPE Insulation • Black PVC Jacket   |             |                          |  |   |   |  |                         |      |      |                           |      |      |    |     |      |      |   |    |     |
|--|-------------|--------------------------|--|---|---|--|-------------------------|------|------|---------------------------|------|------|----|-----|------|------|---|----|-----|
| UL AWM<br>Style 1354<br>(30V 80°C)   | <b>9248</b> | NEC:<br>CM<br>CEC:<br>CM | U-500<br>500<br>U-1000<br>1000<br>1640<br>3280 | U-152.4<br>152.4<br>304.8<br>304.8<br>500.0<br>1000.0 | 16.5<br>15.0<br>14.5<br>15.0<br>55.8<br>108.2 | 7.5<br>6.8<br>14.5<br>15.0<br>25.3<br>49.2 | 18 AWG (solid)<br>.040" | .180 | 4.57 | Duofoil + 60% TC<br>Braid | .270 | 6.86 | 75 | 82% | 16.2 | 53.1 | 1 | .3 | 1.0 |
|    |             |                          |  |   |   |  |                         |      |      |                           |      |      |    |     |      |      |   |    |     |
| BC<br>6.4Ω/M'<br>21.0Ω/km  |             |                          |  |   |   |  |                         |      |      |                           |      |      |    |     |      |      |   |    |     |
| 5.6Ω/M'<br>18.4Ω/km  |             |                          |  |   |   |  |                         |      |      |                           |      |      |    |     |      |      |   |    |     |
| For Plenum versions of 9248, see 89248 or 82248.   |             |                          |  |   |   |  |                         |      |      |                           |      |      |    |     |      |      |   |    |     |
| 50 1.5 4.9<br>100 2.0 6.6<br>200 2.8 9.2<br>400 4.0 13.1<br>700 5.3 17.4<br>900 6.1 20.0<br>1000 6.5 21.3<br>1500 8.3 27.2 |             |                          |  |   |   |  |                         |      |      |                           |      |      |    |     |      |      |   |    |     |

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper • UTP = Unshielded Twisted Pair  
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.



# Standard Analog Video Cable

RG-6/U and RG-11/U Types



| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                        | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**RG-6/U • 18 AWG** Stranded (7x26) .048" Tinned Copper Conductor • Bare Copper Braid Shield (97% Coverage)

| Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket |             |         |      |       |       |      |               |      |      |                     |      |       |    |     |      |      |      |     |      |
|--|-------------|---------|------|-------|-------|------|---------------|------|------|---------------------|------|-------|----|-----|------|------|------|-----|------|
| 80°C   | <b>8238</b> | NEC: CM | 500  | 152.4 | 59.0  | 26.8 | 18 AWG (7x26) | .285 | 7.24 | BC Braid 97% Shield | .405 | 10.29 | 75 | 67% | 20.5 | 67.2 | 1    | .2  | .6   |
|  |             | CEC: CM | 1000 | 304.8 | 117.0 | 53.1 | .048" TC      |      |      | Coverage 1.2Ω/M'    |      |       |    |     |      |      | 10   | .7  | 2.2  |
|  |             |         |      |       |       |      | 6.1Ω/M'       |      |      | 3.9Ω/km             |      |       |    |     |      |      | 50   | 1.3 | 4.3  |
|  |             |         |      |       |       |      | 20.0Ω/km      |      |      |                     |      |       |    |     |      |      | 100  | 2.0 | 6.6  |
|  |             |         |      |       |       |      |               |      |      |                     |      |       |    |     |      |      | 200  | 2.9 | 9.5  |
|  |             |         |      |       |       |      |               |      |      |                     |      |       |    |     |      |      | 400  | 4.2 | 13.8 |
|  |             |         |      |       |       |      |               |      |      |                     |      |       |    |     |      |      | 700  | 5.8 | 19.0 |
|  |             |         |      |       |       |      |               |      |      |                     |      |       |    |     |      |      | 900  | 6.8 | 22.3 |
|  |             |         |      |       |       |      |               |      |      |                     |      |       |    |     |      |      | 1000 | 7.1 | 23.3 |

Suitable for Indoor and Outdoor applications.

**Polyethylene Insulation • Black PVC Jacket**

|      |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |      |      |     |      |
|------|-------------|----------|------|-------|-------|------|---------------|------|------|---------------------|------|-------|----|-----|------|------|------|-----|------|
| 60°C | <b>8261</b> | CEC: CXC | 500  | 152.4 | 52.5  | 23.9 | 18 AWG (7x26) | .285 | 7.24 | BC Braid 97% Shield | .405 | 10.29 | 75 | 66% | 20.5 | 67.2 | 1    | .2  | .6   |
| VW-1 |             |          | 1000 | 304.8 | 104.0 | 47.3 | .048" TC      |      |      | Coverage 1.2Ω/M'    |      |       |    |     |      |      | 10   | .7  | 2.2  |
|      |             |          |      |       |       |      | 6.1Ω/M'       |      |      | 3.9Ω/km             |      |       |    |     |      |      | 50   | 1.3 | 4.3  |
|      |             |          |      |       |       |      | 20.0Ω/km      |      |      |                     |      |       |    |     |      |      | 100  | 2.0 | 6.6  |
|      |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |      | 200  | 2.9 | 9.5  |
|      |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |      | 400  | 4.2 | 13.8 |
|      |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |      | 700  | 5.8 | 19.0 |
|      |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |      | 900  | 6.8 | 22.3 |
|      |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |      | 1000 | 7.1 | 23.3 |

Suitable for Indoor and Outdoor applications.

**Composite • Coax: 18 AWG** Solid BC Cond. w/BC Braid Shield (95% Coverage) • **Power: 18 AWG** Stranded (7x26) BC Conductor UTP

| Foam Polyethylene Insulation (Coax) • Polypropylene Insulation (Pair) • Black Low-Smoke, Zero-Halogen Jacket |                             |                               |      |       |      |      |                |      |      |                    |      |       |    |     |      |      |      |     |      |
|--|-----------------------------|-------------------------------|------|-------|------|------|----------------|------|------|--------------------|------|-------|----|-----|------|------|------|-----|------|
| Siamese 300V RMS   | <b>1306SB</b><br><i>new</i> | NEC: CMG-LS                   | 500  | 152.4 | 37.0 | 16.8 | 18 AWG (solid) | .180 | 4.57 | Coax: 95% BC Braid | .275 | 6.99  | 75 | 83% | 16.3 | 53.5 | 1    | .2  | .7   |
|  |                             | CEC: CMG-LS FT4 Limited Smoke | 1000 | 304.8 | 76.0 | 34.5 | .040" BC       |      |      | Pair: 3.1Ω/M'      | .514 | 13.06 |    |     |      |      | 10   | .6  | 2.1  |
|  |                             |                               |      |       |      |      | 6.4Ω/M'        | .059 | 1.59 | 10.2Ω/km           |      |       |    |     |      |      | 50   | 1.5 | 4.8  |
|  |                             |                               |      |       |      |      | 21.0Ω/km       |      |      |                    |      |       |    |     |      |      | 100  | 2.1 | 6.9  |
|  |                             |                               |      |       |      |      |                |      |      |                    |      |       |    |     |      |      | 200  | 3.0 | 9.8  |
|  |                             |                               |      |       |      |      |                |      |      |                    |      |       |    |     |      |      | 400  | 4.3 | 14.1 |
|  |                             |                               |      |       |      |      |                |      |      |                    |      |       |    |     |      |      | 700  | 5.8 | 19.0 |
|  |                             |                               |      |       |      |      |                |      |      |                    |      |       |    |     |      |      | 900  | 6.7 | 22.0 |
|  |                             |                               |      |       |      |      |                |      |      |                    |      |       |    |     |      |      | 1000 | 7.1 | 23.3 |

**RG-11/U • 14 AWG** Solid .064" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (60% Coverage)

| Gas-injected Foam HDPE Insulation • Black PVC Jacket |             |   |      |       |      |      |                |      |      |                        |      |       |    |     |      |      |      |     |      |
|--|-------------|---|------|-------|------|------|----------------|------|------|------------------------|------|-------|----|-----|------|------|------|-----|------|
| 80°C   | <b>9292</b> | — | 1000 | 304.8 | 75.0 | 34.0 | 14 AWG (solid) | .280 | 7.11 | Duofoil + 60% TC Braid | .405 | 10.29 | 75 | 84% | 16.1 | 52.8 | 1    | .2  | .6   |
|  |             |   |      |       |      |      | .064" BC       |      |      | 3.0Ω/M'                |      |       |    |     |      |      | 10   | .5  | 1.6  |
|  |             |   |      |       |      |      | 2.6Ω/M'        |      |      | 9.8Ω/km                |      |       |    |     |      |      | 50   | .9  | 3.0  |
|  |             |   |      |       |      |      | 8.5Ω/km        |      |      |                        |      |       |    |     |      |      | 100  | 1.3 | 4.3  |
|  |             |   |      |       |      |      |                |      |      |                        |      |       |    |     |      |      | 200  | 1.6 | 5.3  |
|  |             |   |      |       |      |      |                |      |      |                        |      |       |    |     |      |      | 400  | 2.3 | 7.6  |
|  |             |   |      |       |      |      |                |      |      |                        |      |       |    |     |      |      | 700  | 3.3 | 10.8 |
|  |             |   |      |       |      |      |                |      |      |                        |      |       |    |     |      |      | 900  | 4.0 | 13.1 |
|  |             |   |      |       |      |      |                |      |      |                        |      |       |    |     |      |      | 1000 | 4.3 | 14.1 |

Suitable for Indoor and Outdoor applications.

**RG-11/U • 14 AWG** Solid .064" Bare Copper Conductor • Duofoil (100% Coverage) + Tinned Copper Braid Shield (63% Coverage)

| Plenum • Foam FEP Insulation • Black FEP Jacket |              |              |      |       |      |      |                |      |      |                        |      |      |    |     |      |      |      |     |      |
|---|--------------|--------------|------|-------|------|------|----------------|------|------|------------------------|------|------|----|-----|------|------|------|-----|------|
| 200°C   | <b>89292</b> | NEC: CMP     | 500  | 152.4 | 40.5 | 18.4 | 14 AWG (solid) | .274 | 6.96 | Duofoil + 63% TC Braid | .346 | 8.79 | 75 | 83% | 16.2 | 53.1 | 1    | .2  | .5   |
|   |              | CATVP        | 1000 | 304.8 | 81.0 | 36.7 | .064" BC       |      |      | 3.0Ω/M'                |      |      |    |     |      |      | 10   | .4  | 1.3  |
|   |              | CEC: CMP FT6 |      |       |      |      | 2.5Ω/M'        |      |      | 9.8Ω/km                |      |      |    |     |      |      | 50   | 1.0 | 3.3  |
|   |              |              |      |       |      |      | 8.2Ω/km        |      |      |                        |      |      |    |     |      |      | 100  | 1.5 | 4.9  |
|   |              |              |      |       |      |      |                |      |      |                        |      |      |    |     |      |      | 200  | 2.2 | 7.2  |
|   |              |              |      |       |      |      |                |      |      |                        |      |      |    |     |      |      | 400  | 3.3 | 10.8 |
|   |              |              |      |       |      |      |                |      |      |                        |      |      |    |     |      |      | 700  | 4.5 | 14.8 |
|   |              |              |      |       |      |      |                |      |      |                        |      |      |    |     |      |      | 900  | 5.2 | 17.1 |
|   |              |              |      |       |      |      |                |      |      |                        |      |      |    |     |      |      | 1000 | 5.5 | 18.0 |

**RG-11/U • 14 AWG** Solid .064" Bare Copper Conductor • Bare Copper Braid Shield (97% Coverage)

| Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket |             |   |      |       |       |      |                |      |      |                     |      |       |    |     |      |      |      |     |      |
|---|-------------|---|------|-------|-------|------|----------------|------|------|---------------------|------|-------|----|-----|------|------|------|-----|------|
| 80°C  | <b>8213</b> | — | 500  | 152.4 | 44.0  | 20.0 | 14 AWG (solid) | .285 | 7.24 | BC Braid 97% Shield | .405 | 10.29 | 75 | 84% | 16.1 | 52.8 | 1    | .2  | .6   |
|   |             |   | 1000 | 304.8 | 87.0  | 39.5 | .064" BC       |      |      | Coverage 1.1Ω/M'    |      |       |    |     |      |      | 10   | .4  | 1.1  |
|   |             |   | 2000 | 609.6 | 172.0 | 78.2 | 2.6Ω/M'        |      |      | 3.6Ω/km             |      |       |    |     |      |      | 50   | .9  | 3.0  |
|   |             |   |      |       |       |      | 8.5Ω/km        |      |      |                     |      |       |    |     |      |      | 100  | 1.3 | 4.3  |
|   |             |   |      |       |       |      |                |      |      |                     |      |       |    |     |      |      | 200  | 1.9 | 6.2  |
|   |             |   |      |       |       |      |                |      |      |                     |      |       |    |     |      |      | 400  | 2.9 | 9.5  |
|   |             |   |      |       |       |      |                |      |      |                     |      |       |    |     |      |      | 700  | 4.1 | 13.5 |
|   |             |   |      |       |       |      |                |      |      |                     |      |       |    |     |      |      | 900  | 4.8 | 15.7 |
|   |             |   |      |       |       |      |                |      |      |                     |      |       |    |     |      |      | 1000 | 5.2 | 17.1 |

Suitable for Indoor and Outdoor applications.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of RG/U cables not listed.



For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

# Precision Video Cable for Analog and Digital

## Sub-Miniature RG-59/U Type



| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**25 AWG** Stranded (19x37) .021" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

**Gas-injected Foam HDPE Insulation • PVC Jacket** (Available in 10 colors)\*

|      |              |                                |      |       |      |     |  |      |      |   |      |      |    |     |      |      |      |      |      |
|------|--------------|--------------------------------|------|-------|------|-----|--|------|------|---|------|------|----|-----|------|------|------|------|------|
| 75°C | <b>1865A</b> | NEC:<br>CMR<br>CEC:<br>CMG FT4 | 1000 | 304.8 | 14.0 | 6.4 | 25 AWG<br>(19x37)<br>.021"<br>BC<br>27.4Ω/M'<br>89.9Ω/km | .094 | 2.39 | Duofoil<br>+ 95%<br>TC Braid<br>5.4Ω/M'<br>17.7Ω/km | .150 | 3.81 | 75 | 82% | 16.5 | 54.1 | 1    | .5   | 1.5  |
|      |              |                                |      |       |      |     |  |      |      |   |      |      |    |     |      |      | 3.6  | 1.0  | 3.1  |
|      |              |                                |      |       |      |     |  |      |      |   |      |      |    |     |      |      | 10   | 1.6  | 5.2  |
|      |              |                                |      |       |      |     |  |      |      |   |      |      |    |     |      |      | 71.5 | 3.7  | 12.1 |
|      |              |                                |      |       |      |     |  |      |      |   |      |      |    |     |      |      | 135  | 5.0  | 16.4 |
|      |              |                                |      |       |      |     |  |      |      |   |      |      |    |     |      |      | 270  | 7.1  | 23.3 |
|      |              |                                |      |       |      |     |  |      |      |   |      |      |    |     |      |      | 360  | 8.2  | 26.9 |
|      |              |                                |      |       |      |     |  |      |      |   |      |      |    |     |      |      | 540  | 10.1 | 33.1 |
|      |              |                                |      |       |      |     |  |      |      |   |      |      |    |     |      |      | 720  | 11.8 | 38.7 |
|      |              |                                |      |       |      |     |  |      |      |   |      |      |    |     |      |      | 750  | 12.0 | 39.4 |
|      |              |                                |      |       |      |     |  |      |      |   |      |      |    |     |      |      | 1000 | 13.9 | 45.6 |
|      |              |                                |      |       |      |     |  |      |      |   |      |      |    |     |      |      | 1500 | 17.0 | 55.8 |
|      |              |                                |      |       |      |     |  |      |      |   |      |      |    |     |      |      | 2250 | 20.8 | 68.2 |
|      |              |                                |      |       |      |     |  |      |      |   |      |      |    |     |      |      | 3000 | 24.0 | 78.7 |

**23 AWG** Solid .023" Bare Copper Conductor • Duofoil (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

**Gas-injected Foam HDPE Insulation • PVC Jacket** (Available in 10 colors)\*

|                                   |              |                                |                  |       |     |     |  |      |      |   |      |      |    |     |      |      |      |      |      |
|-----------------------------------|--------------|--------------------------------|------------------|-------|-----|-----|--|------|------|---|------|------|----|-----|------|------|------|------|------|
| SDI/HDTV<br>Digital Video<br>75°C | <b>1855A</b> | NEC:<br>CMR<br>CEC:<br>CMG FT4 | 500 <sup>▲</sup> | 152.4 | 9.0 | 4.1 | 23 AWG<br>(solid)<br>.023"<br>BC<br>20.1Ω/M'<br>65.9Ω/km | .102 | 2.59 | Duofoil<br>+ 95%<br>TC Braid<br>7.6Ω/M'<br>24.9Ω/km | .159 | 4.03 | 75 | 82% | 16.3 | 53.5 | 1    | .4   | 1.3  |
|                                   |              |                                |                  |       |     |     |  |      |      |   |      |      |    |     |      |      | 3.6  | .8   | 2.6  |
|                                   |              |                                |                  |       |     |     |  |      |      |   |      |      |    |     |      |      | 10   | 1.2  | 3.9  |
|                                   |              |                                |                  |       |     |     |  |      |      |   |      |      |    |     |      |      | 71.5 | 3.1  | 10.0 |
|                                   |              |                                |                  |       |     |     |  |      |      |   |      |      |    |     |      |      | 135  | 3.8  | 12.5 |
|                                   |              |                                |                  |       |     |     |  |      |      |   |      |      |    |     |      |      | 270  | 5.4  | 17.7 |
|                                   |              |                                |                  |       |     |     |  |      |      |   |      |      |    |     |      |      | 360  | 6.2  | 20.3 |
|                                   |              |                                |                  |       |     |     |  |      |      |   |      |      |    |     |      |      | 540  | 7.7  | 25.3 |
|                                   |              |                                |                  |       |     |     |  |      |      |   |      |      |    |     |      |      | 720  | 9.5  | 31.1 |
|                                   |              |                                |                  |       |     |     |  |      |      |   |      |      |    |     |      |      | 750  | 9.6  | 31.5 |
|                                   |              |                                |                  |       |     |     |  |      |      |   |      |      |    |     |      |      | 1000 | 10.5 | 34.4 |
|                                   |              |                                |                  |       |     |     |  |      |      |   |      |      |    |     |      |      | 1500 | 13.0 | 42.6 |
|                                   |              |                                |                  |       |     |     |  |      |      |   |      |      |    |     |      |      | 2250 | 16.0 | 52.5 |
|                                   |              |                                |                  |       |     |     |  |      |      |   |      |      |    |     |      |      | 3000 | 18.5 | 60.7 |

\*500 ft. put-up available in Black only.

BC = Bare Copper • DCR = DC Resistance • HDPE = Foam High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

\*Available in Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black.



# Precision Video Cable for Analog and Digital

## RG-59/U Type



| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |             |          |
|-------------|----------|------------------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|-------------|----------|
|             |          |                        | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/ 100 Ft. | dB/ 100m |

**23 AWG Stranded (7x32) .023" Bare Compacted Copper\* • Tinned Copper Braid Shield (95% Coverage)**

| <b>Polyethylene Insulation • Black Polyethylene Jacket</b>  |      |   |      |       |      |      |               |      |      |                          |      |      |    |     |      |      |          |         |          |
|---|------|---|------|-------|------|------|---------------|------|------|--------------------------|------|------|----|-----|------|------|----------|---------|----------|
| 80°C  | 9279 | — | 500  | 152.4 | 13.0 | 5.9  | 23 AWG (7x32) | .146 | 3.71 | TC + 95% Shield Coverage | .220 | 5.59 | 75 | 66% | 21.0 | 68.9 | 1        | .4      | 1.1      |
|   |      |   | 1000 | 304.8 | 29.0 | 13.2 |               |      |      |                          |      |      |    |     |      |      | 19.1Ω/M' | 4.5Ω/M' | 14.8Ω/km |
|   |      |   |      |       |      |      |               |      |      |                          |      |      |    |     |      |      |          |         |          |
| BCC<br>135 4.7 15.4<br>270 6.8 22.3<br>360 8.0 26.2<br>540 9.9 32.5<br>720 11.6 38.0<br>750 11.9 39.0<br>1000 13.8 45.3 |      |   |      |       |      |      |               |      |      |                          |      |      |    |     |      |      |          |         |          |

**23 AWG Solid .022" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**

| <b>Polyethylene Insulation • Black Polyethylene Jacket</b>   |      |   |        |         |      |      |                |      |      |                           |      |      |    |     |      |      |          |         |          |
|--|------|---|--------|---------|------|------|----------------|------|------|---------------------------|------|------|----|-----|------|------|----------|---------|----------|
| 80°C   | 9209 | — | U-500  | U-152.4 | 15.0 | 6.8  | 23 AWG (solid) | .146 | 3.71 | Duofoil + 95% TC Braid BC | .220 | 5.59 | 75 | 66% | 21.0 | 68.9 | 1        | .4      | 1.2      |
|  |      |   | U-1000 | U-304.8 | 29.0 | 13.2 |                |      |      |                           |      |      |    |     |      |      | 20.4Ω/M' | 4.5Ω/M' | 14.8Ω/km |
|  |      |   |        |         |      |      |                |      |      |                           |      |      |    |     |      |      |          |         |          |
| BC<br>135 4.0 13.0<br>270 5.6 18.4<br>360 6.6 21.5<br>540 8.3 27.2<br>720 9.7 31.7<br>750 9.9 32.5<br>1000 11.6 38.0 |      |   |        |         |      |      |                |      |      |                           |      |      |    |     |      |      |          |         |          |

| <b>Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket</b>  |       |                       |        |         |      |      |                |      |      |                           |      |      |    |     |      |      |          |         |          |
|--|-------|-----------------------|--------|---------|------|------|----------------|------|------|---------------------------|------|------|----|-----|------|------|----------|---------|----------|
| UL AWM Style 1354 (30V 75°C)   | 9209A | NEC: CMR CEC: CMG FT4 | U-1000 | U-304.8 | 35.0 | 15.9 | 23 AWG (solid) | .146 | 3.71 | Duofoil + 95% TC Braid BC | .220 | 5.59 | 75 | 66% | 20.5 | 67.2 | 1        | .4      | 1.2      |
|  |       |                       | U-1000 | U-304.8 | 35.0 | 15.9 |                |      |      |                           |      |      |    |     |      |      | 20.4Ω/M' | 4.5Ω/M' | 14.8Ω/km |
|  |       |                       |        |         |      |      |                |      |      |                           |      |      |    |     |      |      |          |         |          |
| BC<br>135 4.0 13.0<br>270 5.6 18.4<br>360 6.6 21.5<br>540 8.6 28.3<br>720 10.1 33.2<br>750 10.4 34.1<br>1000 12.8 41.9 |       |                       |        |         |      |      |                |      |      |                           |      |      |    |     |      |      |          |         |          |

BC = Bare Copper • BCC = Bare Compacted Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper  
 Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.  
 \*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

# Precision Video Cable for Analog and Digital

## RG-59/U Type



| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**20 AWG Solid .032" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)\***

|               |              |         |                   |        |       |      |                |          |          |               |          |      |    |     |      |      |     |      |      |      |
|---------------|--------------|---------|-------------------|--------|-------|------|----------------|----------|----------|---------------|----------|------|----|-----|------|------|-----|------|------|------|
| SDI/HDTV      | <b>1505A</b> | NEC:    | 500 <sup>▲</sup>  | 152.4  | 17.0  | 8.0  | 20 AWG (solid) | .145     | 3.68     | Duofoil + 95% | .233     | 5.92 | 75 | 83% | 16.3 | 53.5 | 1   | .3   | 1.0  |      |
| Digital Video |              | CMR     | 1000              | 304.8  | 35.0  | 16.4 |                |          | TC Braid |               |          |      |    |     |      |      | 3.6 | .6   | 1.8  |      |
| 75°C          |              | CEC:    | 5000 <sup>▼</sup> | 1524.0 | 165.0 | 74.8 | .032"          |          | BC       |               |          |      |    |     |      |      | 10  | .9   | 2.9  |      |
|               |              | CMG FT4 |                   |        |       |      |                |          | 10.0Ω/M' |               | 12.5Ω/km |      |    |     |      |      |     | 71.5 | 2.1  | 6.9  |
|               |              |         |                   |        |       |      |                | 32.8Ω/km |          |               |          |      |    |     |      |      |     | 135  | 2.7  | 8.9  |
|               |              |         |                   |        |       |      |                |          |          |               |          |      |    |     |      |      |     | 270  | 3.8  | 12.5 |
|               |              |         |                   |        |       |      |                |          |          |               |          |      |    |     |      |      |     | 360  | 4.4  | 14.4 |
|               |              |         |                   |        |       |      |                |          |          |               |          |      |    |     |      |      |     | 540  | 5.5  | 18.0 |
|               |              |         |                   |        |       |      |                |          |          |               |          |      |    |     |      |      |     | 720  | 6.4  | 21.0 |
|               |              |         |                   |        |       |      |                |          |          |               |          |      |    |     |      |      |     | 750  | 6.5  | 21.3 |
|               |              |         |                   |        |       |      |                |          |          |               |          |      |    |     |      |      |     | 1000 | 7.6  | 24.9 |
|               |              |         |                   |        |       |      |                |          |          |               |          |      |    |     |      |      |     | 1500 | 9.3  | 30.5 |
|               |              |         |                   |        |       |      |                |          |          |               |          |      |    |     |      |      |     | 2250 | 11.6 | 38.0 |
|               |              |         |                   |        |       |      |                |          |          |               |          |      |    |     |      |      |     | 3000 | 13.4 | 44.0 |

\*500 ft. put-up available in Black, Red or Blue only.

▼5000 ft. put-up may vary in length by -0 to +10%.

▲1000 ft. and 5000 ft. put-ups available in all ten colors: Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or White.

**22 AWG Stranded (7x29) .031" Bare Compacted Copper Conductor\* • Tinned Copper/Bare Copper Double Braid Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • PVC Jacket (Matte Black, Red, Green, Blue, Yellow, Orange, White or Purple)**

|             |              |      |      |       |      |      |               |          |              |                 |         |      |    |     |      |      |     |      |      |      |
|-------------|--------------|------|------|-------|------|------|---------------|----------|--------------|-----------------|---------|------|----|-----|------|------|-----|------|------|------|
| High-Flex   | <b>1505F</b> | NEC: | 1000 | 304.8 | 45.0 | 20.4 | 22 AWG (7x29) | .145     | 3.68         | TC Double Braid | .242    | 6.15 | 75 | 80% | 17.0 | 55.7 | 1   | .2   | .7   |      |
| SDI/HDTV    |              | CM   |      |       |      |      |               |          | 95% Shield   |                 |         |      |    |     |      |      | 3.6 | .5   | 1.6  |      |
| Video Patch |              | CEC: |      |       |      |      | .031"         |          | BCC Coverage |                 |         |      |    |     |      |      |     | 10   | .9   | 2.9  |
| 75°C        |              | CM   |      |       |      |      |               |          | 12.2Ω/M'     |                 | 2.4Ω/M' |      |    |     |      |      |     | 71.5 | 2.5  | 8.2  |
|             |              |      |      |       |      |      |               | 40.0Ω/km |              | 7.8Ω/km         |         |      |    |     |      |      |     | 135  | 3.5  | 11.5 |
|             |              |      |      |       |      |      |               |          |              |                 |         |      |    |     |      |      |     | 270  | 5.1  | 16.7 |
|             |              |      |      |       |      |      |               |          |              |                 |         |      |    |     |      |      |     | 360  | 6.0  | 19.7 |
|             |              |      |      |       |      |      |               |          |              |                 |         |      |    |     |      |      |     | 540  | 7.4  | 24.3 |
|             |              |      |      |       |      |      |               |          |              |                 |         |      |    |     |      |      |     | 720  | 8.7  | 28.5 |
|             |              |      |      |       |      |      |               |          |              |                 |         |      |    |     |      |      |     | 750  | 8.9  | 29.2 |
|             |              |      |      |       |      |      |               |          |              |                 |         |      |    |     |      |      |     | 1000 | 10.5 | 34.4 |
|             |              |      |      |       |      |      |               |          |              |                 |         |      |    |     |      |      |     | 1500 | 13.3 | 43.6 |
|             |              |      |      |       |      |      |               |          |              |                 |         |      |    |     |      |      |     | 2250 | 16.9 | 55.4 |
|             |              |      |      |       |      |      |               |          |              |                 |         |      |    |     |      |      |     | 3000 | 20.3 | 66.6 |

\*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

**20 AWG Solid .032" Bare Copper Conductor • Duofoil (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**

**Plenum • Foam FEP Insulation • Flamarest® Jacket (Available in 10 colors)\***

|               |              |         |                    |       |      |      |                |      |          |               |          |      |    |     |      |      |   |      |      |      |
|---------------|--------------|---------|--------------------|-------|------|------|----------------|------|----------|---------------|----------|------|----|-----|------|------|---|------|------|------|
| SDI/HDTV      | <b>1506A</b> | NEC:    | 500 <sup>†*</sup>  | 152.4 | 14.5 | 6.6  | 20 AWG (solid) | .133 | 3.38     | Duofoil + 95% | .196     | 4.93 | 75 | 84% | 16.1 | 52.8 | 1 | .3   | 1.0  |      |
| Digital Video |              | CMF     | 1000 <sup>†*</sup> | 304.8 | 29.0 | 13.2 |                |      | TC Braid |               |          |      |    |     |      |      |   | 3.6  | .6   | 2.0  |
| 75°C          |              | CEC:    |                    |       |      |      | .032"          |      | BC       |               |          |      |    |     |      |      |   | 10   | 1.1  | 3.4  |
|               |              | CMF FT6 |                    |       |      |      |                |      | 10.0Ω/M' |               | 10.5Ω/km |      |    |     |      |      |   |      | 71.5 | 2.3  |
|               |              |         |                    |       |      |      |                |      |          |               |          |      |    |     |      |      |   | 135  | 3.2  | 10.5 |
|               |              |         |                    |       |      |      |                |      |          |               |          |      |    |     |      |      |   | 270  | 4.6  | 14.9 |
|               |              |         |                    |       |      |      |                |      |          |               |          |      |    |     |      |      |   | 360  | 5.3  | 17.2 |
|               |              |         |                    |       |      |      |                |      |          |               |          |      |    |     |      |      |   | 540  | 6.4  | 21.0 |
|               |              |         |                    |       |      |      |                |      |          |               |          |      |    |     |      |      |   | 720  | 7.3  | 23.9 |
|               |              |         |                    |       |      |      |                |      |          |               |          |      |    |     |      |      |   | 750  | 7.5  | 24.6 |
|               |              |         |                    |       |      |      |                |      |          |               |          |      |    |     |      |      |   | 1000 | 9.4  | 30.8 |
|               |              |         |                    |       |      |      |                |      |          |               |          |      |    |     |      |      |   | 1500 | 12.8 | 42.0 |
|               |              |         |                    |       |      |      |                |      |          |               |          |      |    |     |      |      |   | 2250 | 17.5 | 57.4 |
|               |              |         |                    |       |      |      |                |      |          |               |          |      |    |     |      |      |   | 3000 | 21.9 | 71.8 |

Suitable for Outdoor and Direct Burial applications.

\*500 ft. put-up available in Black or Natural only.

†1000 ft. put-up available in all ten colors: Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or Natural.

**20 AWG Solid .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)**

**Polyethylene Insulation • Gray PVC Jacket**

|      |             |         |      |       |      |      |                |          |             |                 |         |      |    |     |      |      |   |      |      |      |      |
|------|-------------|---------|------|-------|------|------|----------------|----------|-------------|-----------------|---------|------|----|-----|------|------|---|------|------|------|------|
| 60°C | <b>9231</b> | NEC:    | 500  | 152.4 | 39.0 | 17.7 | 20 AWG (solid) | .198     | 5.03        | TC Double Braid | .305    | 7.75 | 75 | 66% | 21.0 | 68.9 | 1 | .3   | 1.0  |      |      |
| VW-1 |             | CMH     | 1000 | 304.8 | 76.0 | 34.5 |                |          | 98% Shield  |                 |         |      |    |     |      |      |   | 3.6  | .5   | 1.6  |      |
|      |             | CEC:    |      |       |      |      | .031"          |          | BC Coverage |                 |         |      |    |     |      |      |   |      | 10.0 | .8   | 2.6  |
|      |             | CMH FT1 |      |       |      |      |                |          | 9.9Ω/M'     |                 | 1.1Ω/M' |      |    |     |      |      |   |      | 71.5 | 2.0  | 6.6  |
|      |             |         |      |       |      |      |                | 32.5Ω/km |             | 3.6Ω/km         |         |      |    |     |      |      |   |      | 135  | 3.5  | 11.5 |
|      |             |         |      |       |      |      |                |          |             |                 |         |      |    |     |      |      |   | 270  | 4.3  | 14.1 |      |
|      |             |         |      |       |      |      |                |          |             |                 |         |      |    |     |      |      |   | 360  | 5.0  | 16.4 |      |
|      |             |         |      |       |      |      |                |          |             |                 |         |      |    |     |      |      |   | 540  | 6.2  | 20.3 |      |
|      |             |         |      |       |      |      |                |          |             |                 |         |      |    |     |      |      |   | 720  | 7.2  | 23.6 |      |
|      |             |         |      |       |      |      |                |          |             |                 |         |      |    |     |      |      |   | 750  | 7.4  | 24.3 |      |
|      |             |         |      |       |      |      |                |          |             |                 |         |      |    |     |      |      |   | 1000 | 9.1  | 29.8 |      |

BC = Bare Copper • BCC = Bare Compacted Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of RG/U cables not listed.

†Final put-up length may vary ±10% for spools or reels, ±5% for Unreel cartons from length shown.




# Precision Video Cable for Analog and Digital

## RG-59/U Type




| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                        | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |


**20 AWG Solid .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage) (continued)**

| <b>Polyethylene Insulation • Clear Polyethylene Jacket</b>                        |             |   |      |       |      |      |                |      |      |                     |      |      |    |     |      |      |      |     |      |
|---|-------------|---|------|-------|------|------|----------------|------|------|---------------------|------|------|----|-----|------|------|------|-----|------|
| Indoor Use 80°C   | <b>9141</b> | — | 1000 | 304.8 | 73.0 | 33.2 | 20 AWG (solid) | .200 | 5.06 | TC Double Braid     | .305 | 7.75 | 75 | 66% | 20.0 | 65.6 | 1    | .3  | 1.0  |
|  |             |   |      |       |      |      | .031"          |      |      | 98% Shield Coverage |      |      |    |     |      |      | 3.6  | .5  | 1.6  |
|   |             |   |      |       |      |      | BC             |      |      |                     |      |      |    |     |      |      | 10.0 | .8  | 2.6  |
|   |             |   |      |       |      |      | 9.9Ω/M'        |      |      |                     |      |      |    |     |      |      | 71.5 | 2.0 | 6.6  |
|   |             |   |      |       |      |      | 32.5Ω/km       |      |      |                     |      |      |    |     |      |      | 135  | 3.5 | 11.5 |
|   |             |   |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 270  | 4.3 | 14.1 |
|   |             |   |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 360  | 5.0 | 16.4 |
|   |             |   |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 540  | 6.2 | 20.3 |
|   |             |   |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 720  | 7.2 | 23.6 |
|   |             |   |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 750  | 7.4 | 24.3 |
|   |             |   |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 1000 | 9.1 | 29.8 |

**20 AWG Solid .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)**


| <b>Polyethylene Insulation • Polyethylene Jacket (Available in Red, Yellow, Green, Blue, White, Orange or Black)</b> |             |   |                  |       |      |      |                |      |      |                     |      |      |    |     |      |      |      |     |      |
|--|-------------|---|------------------|-------|------|------|----------------|------|------|---------------------|------|------|----|-----|------|------|------|-----|------|
| 80°C   | <b>8281</b> | — | 500 <sup>▲</sup> | 152.4 | 37.5 | 17.8 | 20 AWG (solid) | .198 | 5.03 | TC Double Braid     | .305 | 7.75 | 75 | 66% | 21.0 | 68.9 | 1    | .3  | .8   |
|                                     |             |   | 1000             | 304.8 | 74.0 | 33.6 | .031"          |      |      | 98% Shield Coverage |      |      |    |     |      |      | 3.6  | .5  | 1.8  |
|  |             |   |                  |       |      |      | BC             |      |      |                     |      |      |    |     |      |      | 10.0 | .8  | 2.6  |
|  |             |   |                  |       |      |      | 9.9Ω/M'        |      |      |                     |      |      |    |     |      |      | 71.5 | 2.1 | 6.9  |
|  |             |   |                  |       |      |      | 32.5Ω/km       |      |      |                     |      |      |    |     |      |      | 135  | 3.0 | 9.8  |
|  |             |   |                  |       |      |      |                |      |      |                     |      |      |    |     |      |      | 270  | 4.3 | 14.1 |
|  |             |   |                  |       |      |      |                |      |      |                     |      |      |    |     |      |      | 360  | 5.1 | 16.6 |
|  |             |   |                  |       |      |      |                |      |      |                     |      |      |    |     |      |      | 540  | 6.3 | 20.7 |
|  |             |   |                  |       |      |      |                |      |      |                     |      |      |    |     |      |      | 720  | 7.4 | 24.3 |
|  |             |   |                  |       |      |      |                |      |      |                     |      |      |    |     |      |      | 750  | 7.6 | 24.9 |
|  |             |   |                  |       |      |      |                |      |      |                     |      |      |    |     |      |      | 1000 | 9.2 | 30.2 |

<sup>▲</sup>500 ft. put-up not available in White.

| <b>Flame-retardant Semi-foam Polyethylene Insulation • PVC Jacket (Available in 9 colors)*</b> |              |                          |      |       |      |      |                |      |      |                     |      |      |    |     |      |      |      |      |      |
|--|--------------|--------------------------|------|-------|------|------|----------------|------|------|---------------------|------|------|----|-----|------|------|------|------|------|
| UL AWM Style 1354 (30V 80°C)   | <b>8281B</b> | NEC: CMR<br>CEC: CMG FT4 | 1000 | 304.8 | 84.0 | 38.1 | 20 AWG (solid) | .198 | 5.03 | TC Double Braid     | .305 | 7.75 | 75 | 66% | 21.0 | 68.9 | 1    | .3   | .8   |
|             |              |                          |      |       |      |      | .031"          |      |      | 98% Shield Coverage |      |      |    |     |      |      | 3.6  | .5   | 1.8  |
|  |              |                          |      |       |      |      | BC             |      |      |                     |      |      |    |     |      |      | 10.0 | .8   | 2.6  |
|  |              |                          |      |       |      |      | 9.9Ω/M'        |      |      |                     |      |      |    |     |      |      | 71.5 | 2.1  | 6.9  |
|  |              |                          |      |       |      |      | 32.5Ω/km       |      |      |                     |      |      |    |     |      |      | 135  | 3.0  | 9.8  |
|  |              |                          |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 270  | 4.4  | 14.4 |
|  |              |                          |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 360  | 5.1  | 16.6 |
|  |              |                          |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 540  | 6.6  | 21.5 |
|  |              |                          |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 720  | 7.8  | 25.4 |
|  |              |                          |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 750  | 8.0  | 26.2 |
|  |              |                          |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 1000 | 10.2 | 33.5 |


\*8281B available in Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black.

**22 AWG Stranded (7x29) .031" Bare Compacted Copper Conductor\* • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)**

| <b>Polyethylene Insulation • PVC Jacket (Matte Red, Blue, Green, Gray or Black)</b> |              |   |                  |       |      |      |               |      |      |                     |      |      |    |     |      |      |      |      |      |
|---|--------------|---|------------------|-------|------|------|---------------|------|------|---------------------|------|------|----|-----|------|------|------|------|------|
| High-Flex 60°C  | <b>8281F</b> | — | 500 <sup>*</sup> | 152.4 | 34.5 | 15.7 | 22 AWG (7x29) | .193 | 4.90 | TC Double Braid     | .305 | 7.75 | 75 | 66% | 21.0 | 68.9 | 1    | .3   | .9   |
|  |              |   | 1000             | 304.8 | 67.0 | 30.4 | .031"         |      |      | 98% Shield Coverage |      |      |    |     |      |      | 3.6  | .5   | 1.7  |
|   |              |   |                  |       |      |      | BCC           |      |      |                     |      |      |    |     |      |      | 10.0 | .9   | 2.9  |
|   |              |   |                  |       |      |      | 12.2Ω/M'      |      |      |                     |      |      |    |     |      |      | 71.5 | 2.5  | 8.0  |
|   |              |   |                  |       |      |      | 40.0Ω/km      |      |      |                     |      |      |    |     |      |      | 135  | 3.6  | 11.6 |
|   |              |   |                  |       |      |      |               |      |      |                     |      |      |    |     |      |      | 270  | 5.1  | 16.7 |
|   |              |   |                  |       |      |      |               |      |      |                     |      |      |    |     |      |      | 360  | 6.0  | 19.7 |
|   |              |   |                  |       |      |      |               |      |      |                     |      |      |    |     |      |      | 540  | 7.4  | 24.3 |
|   |              |   |                  |       |      |      |               |      |      |                     |      |      |    |     |      |      | 720  | 8.7  | 28.5 |
|   |              |   |                  |       |      |      |               |      |      |                     |      |      |    |     |      |      | 750  | 8.9  | 29.2 |
|   |              |   |                  |       |      |      |               |      |      |                     |      |      |    |     |      |      | 1000 | 10.5 | 34.4 |

\*500 ft. put-up available in Black only.

**20 AWG Solid .032" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)**

| <b>Plenum • FEP Insulation • Black Fluorocopolymer Jacket</b>                       |              |                          |      |       |      |      |                |      |      |                     |      |      |    |     |      |      |      |      |      |
|---|--------------|--------------------------|------|-------|------|------|----------------|------|------|---------------------|------|------|----|-----|------|------|------|------|------|
| 150°C   | <b>88281</b> | NEC: CMP<br>CEC: CMP FT6 | 500  | 152.4 | 44.5 | 20.2 | 20 AWG (solid) | .185 | 4.70 | TC Double Braid     | .271 | 6.88 | 75 | 71% | 19.0 | 62.4 | 1    | .2   | .7   |
|  |              |                          | 1000 | 304.8 | 86.0 | 39.1 | .032"          |      |      | 98% Shield Coverage |      |      |    |     |      |      | 3.6  | .5   | 1.6  |
|   |              |                          |      |       |      |      | BC             |      |      |                     |      |      |    |     |      |      | 10.0 | .8   | 2.6  |
|   |              |                          |      |       |      |      | 9.9Ω/M'        |      |      |                     |      |      |    |     |      |      | 71.5 | 2.3  | 7.5  |
|   |              |                          |      |       |      |      | 32.5Ω/km       |      |      |                     |      |      |    |     |      |      | 135  | 3.3  | 10.8 |
|   |              |                          |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 270  | 5.1  | 16.7 |
|   |              |                          |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 360  | 6.1  | 20.0 |
|   |              |                          |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 540  | 8.0  | 26.2 |
|   |              |                          |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 720  | 9.7  | 31.8 |
|   |              |                          |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 750  | 10.0 | 32.8 |
|   |              |                          |      |       |      |      |                |      |      |                     |      |      |    |     |      |      | 1000 | 12.3 | 40.3 |

Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • BCC = Bare Compacted Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of RG/U cables not listed.

\*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.



For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

# Precision Video Cable for Analog and Digital

## RG-6/U and RG-11/U Type



| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|--|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |  | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**RG-6/U Type • 18 AWG Solid .040" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**

| <b>Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*</b> |              |         |                  |        |       |      |          |      |      |               |  |      |    |     |      |      |      |      |      |
|---|--------------|---------|------------------|--------|-------|------|----------|------|------|---------------|--|------|----|-----|------|------|------|------|------|
| SDI/HDTV  | <b>1694A</b> | NEC:    | 500 <sup>▲</sup> | 152.4  | 20.5  | 9.3  | 18 AWG   | .180 | 4.57 | Duofoil + 95% | .275   | 6.99 | 75 | 82% | 16.2 | 53.1 | 1    | 2    | .8   |
| Digital Video   |              | CMR     | 1000             | 304.8  | 45.0  | 20.5 | (solid)  |      |      | + 95%         |  |      |    |     |      |      | 3.6  | .5   | 1.5  |
| 75°C  |              | CEC:    | 4500             | 1371.6 | 202.5 | 91.9 | .040"    |      |      | TC Braid      |  |      |    |     |      |      | 10   | .7   | 2.4  |
|   |              | CMG FT4 |                  |        |       |      | BC       |      |      | 2.8Ω/M'       | For Plenum version of 1694A, see 1695A.                      |      |    |     |      |      | 71.5 | 1.6  | 5.2  |
|   |              |         |                  |        |       |      | 6.4Ω/M'  |      |      | 9.2Ω/km       | Also available in bundled versions. See 7710A through 7713A. |      |    |     |      |      | 135  | 2.1  | 6.9  |
|   |              |         |                  |        |       |      | 21.0Ω/km |      |      |               | 100% Sweep tested. 5 MHz to 3 GHz.                           |      |    |     |      |      | 270  | 3.0  | 9.7  |
|   |              |         |                  |        |       |      |          |      |      |               |  |      |    |     |      |      | 360  | 3.4  | 11.3 |
|   |              |         |                  |        |       |      |          |      |      |               |  |      |    |     |      |      | 540  | 4.3  | 13.9 |
|   |              |         |                  |        |       |      |          |      |      |               |  |      |    |     |      |      | 720  | 4.9  | 16.1 |
|   |              |         |                  |        |       |      |          |      |      |               |  |      |    |     |      |      | 750  | 5.0  | 16.4 |
|   |              |         |                  |        |       |      |          |      |      |               |  |      |    |     |      |      | 1000 | 5.9  | 19.3 |
|   |              |         |                  |        |       |      |          |      |      |               |  |      |    |     |      |      | 1500 | 7.3  | 24.0 |
|   |              |         |                  |        |       |      |          |      |      |               |  |      |    |     |      |      | 2250 | 9.1  | 30.0 |
|   |              |         |                  |        |       |      |          |      |      |               |  |      |    |     |      |      | 3000 | 10.7 | 35.0 |

\*500 ft. put-up available in Black only.

| <b>Gas-injected Foam HDPE Insulation • Black Low-Smoke, Zero-Halogen Jacket</b> |               |               |      |       |      |      |          |      |      |               |                                      |      |    |     |      |      |      |      |      |
|---|---------------|---------------|------|-------|------|------|----------|------|------|---------------|--------------------------------------|------|----|-----|------|------|------|------|------|
| SDI/HDTV  | <b>1694SB</b> | NEC:          | 1000 | 304.8 | 46.0 | 20.9 | 18 AWG   | .180 | 4.57 | Duofoil + 95% | .274                                 | 6.96 | 75 | 82% | 16.2 | 53.1 | 1    | 2    | .8   |
| Digital Video   |               | CMG-LS        |      |       |      |      | (solid)  |      |      | + 95%         |                                      |      |    |     |      |      | 3.6  | .5   | 1.5  |
| 75°C  |               | CEC:          |      |       |      |      | .040"    |      |      | TC Braid      |                                      |      |    |     |      |      | 10   | .7   | 2.4  |
|   |               | CMG-LS FT4    |      |       |      |      | BC       |      |      | 2.8Ω/M'       | 100% Sweep tested. 5 MHz to 4.5 GHz. |      |    |     |      |      | 71.5 | 1.6  | 5.2  |
|   |               | Limited Smoke |      |       |      |      | 6.4Ω/M'  |      |      | 9.2Ω/km       |                                      |      |    |     |      |      | 135  | 2.1  | 6.9  |
|   |               |               |      |       |      |      | 21.0Ω/km |      |      |               |                                      |      |    |     |      |      | 270  | 3.0  | 9.7  |
|   |               |               |      |       |      |      |          |      |      |               |                                      |      |    |     |      |      | 360  | 3.4  | 11.3 |
|   |               |               |      |       |      |      |          |      |      |               |                                      |      |    |     |      |      | 540  | 4.3  | 13.9 |
|   |               |               |      |       |      |      |          |      |      |               |                                      |      |    |     |      |      | 720  | 4.9  | 16.1 |
|   |               |               |      |       |      |      |          |      |      |               |                                      |      |    |     |      |      | 750  | 5.0  | 16.4 |
|   |               |               |      |       |      |      |          |      |      |               |                                      |      |    |     |      |      | 1000 | 5.9  | 19.3 |
|   |               |               |      |       |      |      |          |      |      |               |                                      |      |    |     |      |      | 1500 | 7.3  | 24.0 |
|   |               |               |      |       |      |      |          |      |      |               |                                      |      |    |     |      |      | 2250 | 9.1  | 30.0 |
|   |               |               |      |       |      |      |          |      |      |               |                                      |      |    |     |      |      | 3000 | 10.7 | 35.0 |

| <b>Plenum • Foam FEP Insulation • Flammarrest® Jacket (Available in 10 colors)**</b> |              |         |                    |       |      |      |          |      |      |               |                                    |      |    |     |      |      |      |      |      |
|--|--------------|---------|--------------------|-------|------|------|----------|------|------|---------------|------------------------------------|------|----|-----|------|------|------|------|------|
| SDI/HDTV   | <b>1695A</b> | NEC:    | 500 <sup>†</sup> * | 152.4 | 20.5 | 9.3  | 18 AWG   | .170 | 4.32 | Duofoil + 95% | .234                               | 5.94 | 75 | 82% | 16.2 | 53.1 | 1    | 2    | .8   |
| Digital Video  |              | CMP     | 1000               | 304.8 | 45.0 | 20.5 | (solid)  |      |      | + 95%         |                                    |      |    |     |      |      | 3.6  | .5   | 1.5  |
| 75°C   |              | CEC:    |                    |       |      |      | .040"    |      |      | TC Braid      |                                    |      |    |     |      |      | 10   | .8   | 2.5  |
|  |              | CMP FT6 |                    |       |      |      | BC       |      |      | 2.8Ω/M'       | 100% Sweep tested. 5 MHz to 3 GHz. |      |    |     |      |      | 71.5 | 1.8  | 5.8  |
|  |              |         |                    |       |      |      | 6.4Ω/M'  |      |      | 9.2Ω/km       |                                    |      |    |     |      |      | 135  | 2.4  | 7.9  |
|  |              |         |                    |       |      |      | 21.0Ω/km |      |      |               |                                    |      |    |     |      |      | 270  | 3.4  | 11.2 |
|  |              |         |                    |       |      |      |          |      |      |               |                                    |      |    |     |      |      | 360  | 4.0  | 13.1 |
|  |              |         |                    |       |      |      |          |      |      |               |                                    |      |    |     |      |      | 540  | 5.2  | 17.1 |
|  |              |         |                    |       |      |      |          |      |      |               |                                    |      |    |     |      |      | 720  | 6.1  | 20.0 |
|  |              |         |                    |       |      |      |          |      |      |               |                                    |      |    |     |      |      | 750  | 6.2  | 20.3 |
|  |              |         |                    |       |      |      |          |      |      |               |                                    |      |    |     |      |      | 1000 | 7.3  | 24.0 |
|  |              |         |                    |       |      |      |          |      |      |               |                                    |      |    |     |      |      | 1500 | 9.2  | 30.2 |
|  |              |         |                    |       |      |      |          |      |      |               |                                    |      |    |     |      |      | 2250 | 11.6 | 38.0 |
|  |              |         |                    |       |      |      |          |      |      |               |                                    |      |    |     |      |      | 3000 | 13.7 | 44.9 |

\*500 ft. put-up available in Black or Natural only. Black jacket suitable for Indoor, Outdoor and Aerial applications.

**RG-11/U Type • 14 AWG Solid .064" Bare Copper Conductor • Duofoil (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**

| <b>Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*</b> |              |         |                  |        |       |       |         |      |      |               |                                    |      |    |     |      |      |      |     |      |
|---|--------------|---------|------------------|--------|-------|-------|---------|------|------|---------------|------------------------------------|------|----|-----|------|------|------|-----|------|
| SDI/HDTV  | <b>7731A</b> | NEC:    | 500 <sup>▼</sup> | 152.4  | 46.5  | 21.1  | 14 AWG  | .280 | 7.11 | Duofoil + 95% | .405                               | 10.3 | 75 | 85% | 16.0 | 52.4 | 1    | 2   | .5   |
| Digital Video   |              | CMR     | 1000             | 304.8  | 95.0  | 43.1  | (solid) |      |      | + 95%         |                                    |      |    |     |      |      | 10   | .5  | 1.5  |
| 75°C  |              | CEC:    | 4000             | 1219.2 | 388.0 | 176.2 | .064"   |      |      | TC Braid      |                                    |      |    |     |      |      | 71.5 | 1.1 | 3.6  |
|   |              | CMG FT4 |                  |        |       |       | BC      |      |      | 1.5Ω/M'       | 100% Sweep tested. 5 MHz to 3 GHz. |      |    |     |      |      | 135  | 1.5 | 4.8  |
|   |              |         |                  |        |       |       | 2.5Ω/M' |      |      | 4.9Ω/km       |                                    |      |    |     |      |      | 270  | 2.1 | 6.9  |
|   |              |         |                  |        |       |       | 8.2Ω/km |      |      |               |                                    |      |    |     |      |      | 360  | 2.5 | 8.0  |
|   |              |         |                  |        |       |       |         |      |      |               |                                    |      |    |     |      |      | 540  | 3.1 | 10.0 |
|   |              |         |                  |        |       |       |         |      |      |               |                                    |      |    |     |      |      | 720  | 3.6 | 11.7 |
|   |              |         |                  |        |       |       |         |      |      |               |                                    |      |    |     |      |      | 750  | 3.7 | 12.0 |
|   |              |         |                  |        |       |       |         |      |      |               |                                    |      |    |     |      |      | 1000 | 4.3 | 14.1 |
|   |              |         |                  |        |       |       |         |      |      |               |                                    |      |    |     |      |      | 1500 | 5.5 | 18.0 |
|   |              |         |                  |        |       |       |         |      |      |               |                                    |      |    |     |      |      | 2250 | 6.9 | 22.6 |
|   |              |         |                  |        |       |       |         |      |      |               |                                    |      |    |     |      |      | 3000 | 8.2 | 26.9 |

\*500 ft. put-up available in Red or Black only.

| <b>Plenum • Foam FEP Insulation • Fluorocopolymer Jacket (Available in 10 colors)**</b> |              |         |                   |       |       |      |         |      |      |               |                                    |      |    |     |      |      |      |      |      |
|---|--------------|---------|-------------------|-------|-------|------|---------|------|------|---------------|------------------------------------|------|----|-----|------|------|------|------|------|
| SDI/HDTV  | <b>7732A</b> | NEC:    | 500 <sup>•</sup>  | 152.4 | 45.0  | 20.5 | 14 AWG  | .274 | 6.96 | Duofoil + 95% | .348                               | 8.84 | 75 | 83% | 16.3 | 53.5 | 1    | 2    | .5   |
| Digital Video   |              | CMP     | 1000              | 304.8 | 90.0  | 40.9 | (solid) |      |      | + 95%         |                                    |      |    |     |      |      | 10   | .4   | 1.3  |
| 150°C   |              | CEC:    | 2000 <sup>+</sup> | 609.6 | 176.0 | 80.0 | .064"   |      |      | TC Braid      |                                    |      |    |     |      |      | 71.5 | 1.2  | 4.1  |
|   |              | CMP FT6 |                   |       |       |      | BC      |      |      | 1.6Ω/M'       | 100% Sweep tested. 5 MHz to 3 GHz. |      |    |     |      |      | 135  | 1.8  | 5.8  |
|   |              |         |                   |       |       |      | 2.5Ω/M' |      |      | 5.3Ω/km       |                                    |      |    |     |      |      | 270  | 2.6  | 8.5  |
|   |              |         |                   |       |       |      | 8.2Ω/km |      |      |               |                                    |      |    |     |      |      | 360  | 3.1  | 10.2 |
|   |              |         |                   |       |       |      |         |      |      |               |                                    |      |    |     |      |      | 540  | 3.9  | 12.8 |
|   |              |         |                   |       |       |      |         |      |      |               |                                    |      |    |     |      |      | 720  | 4.6  | 15.0 |
|   |              |         |                   |       |       |      |         |      |      |               |                                    |      |    |     |      |      | 750  | 4.7  | 15.4 |
|   |              |         |                   |       |       |      |         |      |      |               |                                    |      |    |     |      |      | 1000 | 5.5  | 18.0 |
|   |              |         |                   |       |       |      |         |      |      |               |                                    |      |    |     |      |      | 1500 | 6.9  | 22.7 |
|   |              |         |                   |       |       |      |         |      |      |               |                                    |      |    |     |      |      | 2250 | 9.2  | 30.2 |
|   |              |         |                   |       |       |      |         |      |      |               |                                    |      |    |     |      |      | 3000 | 10.2 | 33.5 |

\*500 ft. put-up available in Black or Natural only.

\*\*2000 ft. put-up available in Natural only.

Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG-U cables not listed.

\* Non-Plenum Available in Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or White.

\*\* Plenum Available in Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or Natural.

† Final put-up length may vary ±10% for spools or reels and ±5% for Unreel cartons from length shown.



# Brilliance VideoFLEX® Snake Cable for Precision Analog and Digital Video

Miniature and RG-59/U Type



| Description  | Part No.     | UL NEC/ C(UL) CEC Type | No. of Cond. | Standard Lengths |                | Standard Unit Weight |               | Conductor (stranding) Diameter Nom. DCR   | Nominal Core OD       |              | Shielding Materials Nom. DCR            | Nominal OD    |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |  | Nominal Attenuation  |   |          |  |
|--|--------------|------------------------|--------------|------------------|----------------|----------------------|---------------|---|-----------------------|--------------|---|---------------|----|---------------|--------------------|---------------------|--|--|---|----------|--|
|  |              |                        |              | Ft.              | m              | Lbs.                 | kg            |   | Inch                  | mm           |   | Inch          | mm |               |                    | pF/Ft.              | pF/m   | MHz  | dB/ 100 Ft.   | dB/ 100m |  |
| <b>Miniature • 23 AWG Solid .023" Bare Copper Conductors • Duofoil® (100% Coverage) + TC Braid Shield (95% Coverage)</b> |              |                        |              |                  |                |                      |               |   |                       |              |   |               |    |               |                    |                     |  |  |   |          |  |
| <b>Gas-injected Foam HDPE Insulation • Overall Matte Black PVC Jacket (Color Code: See chart below)</b>                  |              |                        |              |                  |                |                      |               |   |                       |              |   |               |    |               |                    |                     |  |  |   |          |  |
| SDI/HDTV Digital Video 75°C (1855A Bundled)  | <b>7787A</b> | NEC: CMR CEC: CMG FT4  | 3            | 500<br>1000      | 152.4<br>304.8 | 47.5<br>94.0         | 21.6<br>42.7  | 23 AWG (solid) .023" BC 20.1Ω/M' 65.9Ω/km | .102<br>Coax OD: .159 | 2.55<br>4.03 | Duofoil + 95% TC Braid 7.6Ω/M' 24.9Ω/km | .432<br>10.97 | 75 | 83%           | 16.5               | 54.1                | 1<br>3.6<br>10<br>71.5<br>135<br>270<br>360<br>540<br>720<br>750<br>1000<br>1500<br>2500<br>3000 | .4<br>.8<br>1.2<br>3.1<br>3.8<br>5.4<br>6.2<br>7.7<br>9.1<br>9.5<br>10.5<br>13.0<br>16.9<br>18.5 | 1.3<br>2.6<br>3.9<br>10.0<br>12.5<br>17.7<br>20.3<br>25.3<br>29.8<br>31.2<br>34.4<br>42.6<br>55.4<br>60.7 |          |  |
|  | <b>7788A</b> | NEC: CMR CEC: CMG FT4  | 4            | 1000             | 304.8          | 110.0                | 49.9          | same as above                             | .102<br>Coax OD: .159 | 2.55<br>4.03 | same as above                           | .481<br>12.22 |    |               |                    |                     | 750<br>1000<br>1500<br>2500<br>3000  | 9.5<br>10.5<br>13.0<br>16.9<br>18.5  | 31.2<br>34.4<br>42.6<br>55.4<br>60.7  |          |  |
|  | <b>7789A</b> | NEC: CMR CEC: CMG FT4  | 5            | 500<br>1000      | 152.4<br>304.8 | 73.0<br>142.0        | 33.1<br>64.4  | same as above                             | .102<br>Coax OD: .159 | 2.55<br>4.03 | same as above                           | .539<br>13.69 |    |               |                    |                     |  |  |   |          |  |
|  | <b>7790A</b> | NEC: CMR CEC: CMG FT4  | 6            | 500<br>1000      | 152.4<br>304.8 | 88.5<br>176.0        | 40.2<br>79.9  | same as above                             | .102<br>Coax OD: .159 | 2.55<br>4.03 | same as above                           | .597<br>15.16 |    |               |                    |                     |  |  |   |          |  |
|  | <b>7791A</b> | NEC: CMR CEC: CMG FT4  | 10           | 500<br>1000      | 152.4<br>304.8 | 155.5<br>304.0       | 70.5<br>137.9 | same as above                             | .102<br>Coax OD: .159 | 2.55<br>4.03 | same as above                           | .796<br>20.22 |    |               |                    |                     |  |  |   |          |  |
|  | <b>7792A</b> | NEC: CMR CEC: CMG FT4  | 12           | 500<br>1000      | 152.4<br>304.8 | 178.5<br>367.0       | 80.7<br>166.5 | same as above                             | .102<br>Coax OD: .159 | 2.55<br>4.03 | same as above                           | .825<br>20.96 |    |               |                    |                     |  |  |   |          |  |

Sweep tested 5 MHz to 3 GHz.

## RG-59/U Type • 23 AWG Solid .032" Bare Copper Conductors • Duofoil (100% Coverage) + TC Braid Shield (95% Coverage)

|   |              |                       |    |             |                |                |                |   |                       |              |   |                |    |     |      |      |  |   |   |  |  |
|---|--------------|-----------------------|----|-------------|----------------|----------------|----------------|---|-----------------------|--------------|---|----------------|----|-----|------|------|--|---|---|--|--|
| <b>Gas-injected Foam HDPE Insulation • Overall Matte Black PVC Jacket (Color Code: See chart below)</b> |              |                       |    |             |                |                |                |   |                       |              |   |                |    |     |      |      |  |   |   |  |  |
| SDI/HDTV Digital Video 75°C (1505A Bundled)   | <b>7794A</b> | NEC: CMR CEC: CMG FT4 | 3  | 500<br>1000 | 152.4<br>304.8 | 94.5<br>187.0  | 43.0<br>84.8   | 23 AWG (solid) .032" BC 10.0Ω/M' 32.8Ω/km | .145<br>Coax OD: .235 | 3.68<br>5.97 | Duofoil + 95% TC Braid 3.8Ω/M' 12.5Ω/km | .631<br>16.03  | 75 | 83% | 16.3 | 53.1 | 1<br>3.6<br>10<br>71.5<br>135<br>270<br>360<br>540<br>720<br>750<br>1000<br>1500<br>2500<br>3000 | .3<br>.6<br>.9<br>2.1<br>2.7<br>3.8<br>4.4<br>5.5<br>6.4<br>6.5<br>7.6<br>9.3<br>12.4<br>13.8 | 1.0<br>1.8<br>2.9<br>6.9<br>8.9<br>12.5<br>14.4<br>18.0<br>21.0<br>21.3<br>24.9<br>30.5<br>40.7<br>45.3 |  |  |
|   | <b>7795A</b> | NEC: CMR CEC: CMG FT4 | 4  | 500<br>1000 | 152.4<br>304.8 | 116.5<br>237.0 | 53.0<br>107.7  | same as above                             | .145<br>Coax OD: .235 | 3.68<br>5.97 | same as above                           | .706<br>17.93  |    |     |      |      |  |   |   |  |  |
|   | <b>7796A</b> | NEC: CMR CEC: CMG FT4 | 5  | 500<br>1000 | 152.4<br>304.8 | 153.0<br>299.0 | 69.4<br>135.6  | same as above                             | .145<br>Coax OD: .235 | 3.68<br>5.97 | same as above                           | .790<br>20.07  |    |     |      |      |  |   |   |  |  |
|   | <b>7798A</b> | NEC: CMR CEC: CMG FT4 | 10 | 500<br>1000 | 152.4<br>304.8 | 319.5<br>625.0 | 145.2<br>284.1 | same as above                             | .145<br>Coax OD: .235 | 3.68<br>5.97 | same as above                           | 1.166<br>29.62 |    |     |      |      |  |   |   |  |  |

Sweep tested 5 MHz to 3 GHz.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

See Connector Reference Guide at [www.belden.com](http://www.belden.com) for connector recommendations.

### Color Code Chart

| Cond. | Color | Cond. | Color  | Cond. | Color  |
|-------|-------|-------|--------|-------|--------|
| 1     | Red   | 5     | Yellow | 9     | Purple |
| 2     | Green | 6     | Brown  | 10    | Black  |
| 3     | Blue  | 7     | Orange | 11    | Pink   |
| 4     | White | 8     | Gray   | 12    | Tan    |



For more information, contact Belden Technical Support: 1-800-BELDEN-1 • [www.belden.com](http://www.belden.com)

# Brilliance VideoFLEX® Snake Cable for Precision Analog and Digital Video

RG-6/U Type



| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Cond. | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |             |          |
|-------------|----------|------------------------|--------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|-------------|----------|
|             |          |                        |              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/ 100 Ft. | dB/ 100m |

**RG-59/U • 20 AWG** Solid .032" Bare Copper Conductors • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

**Plenum • Foam FEP Insulation • Plenum-Grade PVC Jackets** (Color Code: See chart below) • **Center Spine • No Overall Jacket**

|  |          |                                     |  |                    |                        |                       |                      |                            |      |      |   |      |       |    |     |      |      |      |      |      |
|--|----------|-------------------------------------|--|--------------------|------------------------|-----------------------|----------------------|----------------------------|------|------|---|------|-------|----|-----|------|------|------|------|------|
|  | 300V RMS | <b>1283S3</b><br><small>new</small> | NEC: 3<br>CMP: 500<br>CEC: 1000<br>CMP | 250<br>500<br>1000 | 76.2<br>152.4<br>304.8 | 26.3<br>54.0<br>103.0 | 11.9<br>24.5<br>46.7 | 20 AWG<br>(solid)<br>.032" | .133 | 3.38 | Duofoil<br>(95%)<br>+ TC Braid<br>3.8Ω/M'<br>12.5Ω/km | .422 | 10.72 | 75 | 83% | 16.2 | 53.1 | 1    | .3   | 1.0  |
|  |          |                                     |  |                    |                        |                       |                      | 10.0Ω/M'<br>32.8Ω/km       |      |      |   |      |       |    |     |      |      | 3.6  | .6   | 2.0  |
|  |          |                                     |  |                    |                        |                       |                      |                            |      |      |   |      |       |    |     |      |      | 10   | .9   | 2.9  |
|  |          |                                     |  |                    |                        |                       |                      |                            |      |      |   |      |       |    |     |      |      | 71.5 | 2.1  | 6.9  |
|  |          |                                     |  |                    |                        |                       |                      |                            |      |      |   |      |       |    |     |      |      | 135  | 2.7  | 8.9  |
|  |          |                                     |  |                    |                        |                       |                      |                            |      |      |   |      |       |    |     |      |      | 270  | 3.8  | 12.5 |
|  |          |                                     |  |                    |                        |                       |                      |                            |      |      |   |      |       |    |     |      |      | 360  | 4.4  | 14.4 |
|  |          |                                     |  |                    |                        |                       |                      |                            |      |      |   |      |       |    |     |      |      | 540  | 5.5  | 18.0 |
|  |          |                                     |  |                    |                        |                       |                      |                            |      |      |   |      |       |    |     |      |      | 720  | 6.4  | 21.0 |
|  |          |                                     |  |                    |                        |                       |                      |                            |      |      |   |      |       |    |     |      |      | 750  | 6.5  | 21.3 |
|  |          |                                     |  |                    |                        |                       |                      |                            |      |      |   |      |       |    |     |      | 1000 | 7.6  | 24.9 |      |
|  |          |                                     |  |                    |                        |                       |                      |                            |      |      |   |      |       |    |     |      | 1500 | 9.4  | 30.8 |      |
|  |          |                                     |  |                    |                        |                       |                      |                            |      |      |   |      |       |    |     |      | 2500 | 12.4 | 40.7 |      |
|  |          |                                     |  |                    |                        |                       |                      |                            |      |      |   |      |       |    |     |      | 3000 | 13.8 | 45.3 |      |

Sweep tested. 5 MHz to 3 GHz.  
U.S. Patent 7,049,523

Suitable for Indoor and Outdoor applications.

**RG-6/U Type • 18 AWG** Solid .040" Bare Copper Conductors • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

**Gas-injected Foam HDPE Insulation • Overall Matte Black PVC Jacket** (Color Code: See chart below)

|  |  |              |                                     |             |                |                |               |                                 |      |      |  |      |       |    |     |      |      |      |      |      |
|--|--|--------------|-------------------------------------|-------------|----------------|----------------|---------------|---------------------------------|------|------|--|------|-------|----|-----|------|------|------|------|------|
|  | SDI/HDTV<br>Digital Video<br>75°C<br>(1694A Bundled) | <b>7710A</b> | NEC: 3<br>CMR: 1000<br>CEC: CMG FT4 | 500<br>1000 | 152.4<br>304.8 | 137.5<br>285.0 | 62.4<br>129.3 | 18 AWG<br>(solid)<br>.040"      | .180 | 4.57 | Duofoil<br>(95%)<br>+ TC Braid<br>3.0Ω/M'<br>9.8Ω/km | .770 | 19.56 | 75 | 82% | 16.2 | 53.1 | 1    | .2   | .8   |
|  |  |              |                                     |             |                |                |               | Coax OD:<br>6.4Ω/M'<br>21.0Ω/km |      |      |  |      |       |    |     |      |      | 3.6  | .5   | 1.5  |
|  |  |              |                                     |             |                |                |               |                                 |      |      |  |      |       |    |     |      |      | 10   | .7   | 2.4  |
|  |  |              |                                     |             |                |                |               |                                 |      |      |  |      |       |    |     |      |      | 71.5 | 1.6  | 5.2  |
|  |  |              |                                     |             |                |                |               |                                 |      |      |  |      |       |    |     |      |      | 135  | 2.1  | 6.9  |
|  |  |              |                                     |             |                |                |               |                                 |      |      |  |      |       |    |     |      |      | 270  | 3.0  | 9.7  |
|  |  |              |                                     |             |                |                |               |                                 |      |      |  |      |       |    |     |      |      | 360  | 3.4  | 11.3 |
|  |  |              |                                     |             |                |                |               |                                 |      |      |  |      |       |    |     |      |      | 540  | 4.3  | 13.9 |
|  |  |              |                                     |             |                |                |               |                                 |      |      |  |      |       |    |     |      |      | 720  | 4.9  | 16.1 |
|  |  |              |                                     |             |                |                |               |                                 |      |      |  |      |       |    |     |      |      | 750  | 5.0  | 16.4 |
|  |  |              |                                     |             |                |                |               |                                 |      |      |  |      |       |    |     |      | 1000 | 5.9  | 19.3 |      |
|  |  |              |                                     |             |                |                |               |                                 |      |      |  |      |       |    |     |      | 1500 | 7.3  | 24.0 |      |
|  |  |              |                                     |             |                |                |               |                                 |      |      |  |      |       |    |     |      | 2500 | 9.1  | 31.8 |      |
|  |  |              |                                     |             |                |                |               |                                 |      |      |  |      |       |    |     |      | 3000 | 10.6 | 35.0 |      |

Sweep tested 5 MHz to 3 GHz.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed. See Connector Reference Guide at [www.belden.com](http://www.belden.com) for connector recommendations.

### Color Code Chart

| Cond. | Color  | Cond. | Color  |
|-------|--------|-------|--------|
| 1     | Red    | 6     | Brown  |
| 2     | Green  | 7     | Orange |
| 3     | Blue   | 8     | Gray   |
| 4     | White  | 9     | Purple |
| 5     | Yellow | 10    | Black  |



# Bundled RGB Cable

## Miniature and High-Flex Type



| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Cond. | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |             |          |
|-------------|----------|------------------------|--------------|------------------|---|----------------------|----|--------------------------------|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|-------------|----------|
|             |          |                        |              | Ft.              | m | Lbs.                 | kg |                                | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/ 100 Ft. | dB/ 100m |

**Miniature • 30 AWG** Stranded (7x38) .012" TC Cond. • Coaxes: Duofoil® (100% Coverage) + TC Braid (90% Cov.) • Overall: Beldfoil® Shield (100% Cov.)

**Foam HDPE Insulation • Inner PVC Jackets (Color Code: See Chart Below) • Overall Black PVC Jacket**

|  |                              |              |          |   |             |                |              |              |                        |              |              |   |              |              |    |     |      |      |   |   |   |  |
|--|------------------------------|--------------|----------|---|-------------|----------------|--------------|--------------|------------------------|--------------|--------------|---|--------------|--------------|----|-----|------|------|---|---|---|--|
|  | UL AWM Style 1354 (30V 60°C) | <b>1520A</b> | NEC: CL2 | 3 | 500<br>1000 | 152.4<br>304.8 | 23.0<br>50.0 | 10.4<br>22.7 | 30 AWG (7x38)<br>.012" | .056<br>.102 | 1.42<br>2.59 | Coaxes: Duofoil + 90% TC Braid<br>Overall: Beldfoil | .283<br>.310 | 7.19<br>7.87 | 75 | 78% | 17.3 | 56.7 | 1<br>5<br>10<br>30<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .8<br>1.5<br>2.2<br>4.0<br>5.4<br>8.2<br>12.5<br>18.9<br>26.5<br>30.8<br>32.8 | 2.6<br>4.9<br>7.2<br>13.1<br>17.7<br>26.9<br>41.0<br>62.0<br>86.9<br>101.0<br>107.6 |  |
|  |                              | <b>1521A</b> | NEC: CL2 | 4 | 500<br>1000 | 152.4<br>304.8 | 31.0<br>60.0 | 14.1<br>27.3 | same as above          | .056<br>.102 | 1.42<br>2.59 | same as above                                       | .310         | 7.87         |    |     |      |      |   |   |   |  |
|  |                              | <b>1522A</b> | NEC: CL2 | 5 | 500<br>1000 | 152.4<br>304.8 | 34.5<br>67.0 | 15.6<br>30.4 | same as above          | .056<br>.102 | 1.42<br>2.59 | same as above                                       | .338         | 8.59         |    |     |      |      |   |   |   |  |
|  |                              |              |          |   |             |                |              |              |                        |              |              |   |              |              |    |     |      |      |   |   |   |  |
|  |                              |              |          |   |             |                |              |              |                        |              |              |   |              |              |    |     |      |      |   |   |   |  |

**High-Flex • 26 AWG** Stranded (7x34) .019" Bare Copper Conductors • Duofoil (100% Coverage) + TC Braid Shield (93% Coverage)

**Foam HDPE Insulation • Inner PVC Jackets (Color Code: See Chart Below) • Overall Matte Black PVC Jacket**

|  |      |              |   |   |      |       |       |      |                        |              |              |                        |              |               |    |     |      |      |   |  |   |  |
|--|------|--------------|---|---|------|-------|-------|------|------------------------|--------------|--------------|------------------------|--------------|---------------|----|-----|------|------|---|--|---|--|
|  | 60°C | <b>1406B</b> | — | 3 | 1000 | 304.8 | 79.0  | 35.8 | 26 AWG (7x34)<br>.019" | .090<br>.146 | 2.29<br>3.71 | Duofoil + 93% TC Braid | .388<br>.455 | 9.86<br>11.56 | 75 | 78% | 17.3 | 56.7 | 1<br>5<br>10<br>30<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .6<br>1.3<br>1.8<br>3.1<br>3.9<br>5.4<br>7.5<br>10.4<br>13.5<br>15.2<br>15.9 | 2.0<br>4.3<br>5.9<br>10.2<br>12.8<br>17.7<br>24.6<br>34.1<br>44.3<br>49.9<br>52.2 |  |
|  |      | <b>1407B</b> | — | 4 | 1000 | 304.8 | 100.0 | 45.5 | same as above          | .090<br>.146 | 2.29<br>3.71 | same as above          | .455         | 11.56         |    |     |      |      |   |  |   |  |
|  |      | <b>1417B</b> | — | 5 | 1000 | 304.8 | 110.0 | 49.9 | same as above          | .090<br>.146 | 2.29<br>3.71 | same as above          | .477         | 12.12         |    |     |      |      |   |  |   |  |
|  |      |              |   |   |      |       |       |      |                        |              |              |                        |              |               |    |     |      |      |   |  |   |  |
|  |      |              |   |   |      |       |       |      |                        |              |              |                        |              |               |    |     |      |      |   |  |   |  |

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

### Color Code Chart

| Cond. | Color  |
|-------|--------|
| 1     | Red    |
| 2     | Green  |
| 3     | Blue   |
| 4     | White  |
| 5     | Yellow |



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)



# Bundled RGB Cable

CM, CMR and CMP Rated



| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Cond. | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |             |          |
|-------------|----------|------------------------|--------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|-------------|----------|
|             |          |                        |              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/ 100 Ft. | dB/ 100m |

**26 AWG** Stranded (7x34) .019" BC Conductor • Duofoil® (100% Coverage) + TC Braid Shield (93% Coverage) • Overall Polyester Tape

**Foam HDPE Insulation • Inner PVC Jacket (Color Code: See Chart Below) • Overall Black PVC Jacket**

|  |   |                    |   |             |                |               |              |               |      |               |               |                |       |    |     |      |      |      |      |      |      |
|--|---|--------------------|---|-------------|----------------|---------------|--------------|---------------|------|---------------|---------------|----------------|-------|----|-----|------|------|------|------|------|------|
|  | <b>1164B</b><br>UL AWM<br>Styles 1354<br>and 2668<br>(30V 60°C) | NEC: CM<br>CEC: CM | 3 | 500         | 152.4          | 38.0          | 17.2         | 26 AWG (7x34) | .090 | 2.29          | Duofoil       | .388           | 9.86  | 75 | 78% | 17.3 | 56.7 | 1    | .6   | 2.0  |      |
|  |   |                    |   |             | 1000           | 304.8         | 78.0         | 35.5          |      | Coax OD: .146 | 3.71          | + 93% TC Braid |       |    |     |      |      |      | 5    | 1.3  | 4.3  |
|  |   |                    |   |             |                |               |              |               |      |               |               | 8.6Ω/M'        |       |    |     |      |      |      | 10   | 1.8  | 5.9  |
|  |   |                    |   |             |                |               |              |               |      |               |               | 28.2Ω/km       |       |    |     |      |      |      | 30   | 3.1  | 10.2 |
|  |   |                    |   |             |                |               |              |               |      |               |               |                |       |    |     |      |      |      | 50   | 3.9  | 12.8 |
|  |   |                    |   |             |                |               |              |               |      |               |               |                |       |    |     |      |      |      | 100  | 5.4  | 17.7 |
|  |   |                    |   |             |                |               |              |               |      |               |               |                |       |    |     |      |      |      | 200  | 7.5  | 24.6 |
|  |   |                    |   |             |                |               |              |               |      |               |               |                |       |    |     |      |      |      | 400  | 10.4 | 34.1 |
|  |   |                    |   |             |                |               |              |               |      |               |               |                |       |    |     |      |      |      | 700  | 13.5 | 44.3 |
|  |   |                    |   |             |                |               |              |               |      |               |               |                |       |    |     |      |      |      | 900  | 15.2 | 49.9 |
|  |   |                    |   |             |                |               |              |               |      |               |               |                |       |    |     |      | 1000 | 15.9 | 52.2 |      |      |
|  | <b>1167B</b>  | NEC: CM<br>CEC: CM | 4 | 1000        | 304.8          | 105.0         | 47.7         | same as above | .090 | 2.29          | same as above | .455           | 11.56 |    |     |      |      |      |      |      |      |
|  | <b>1418B</b>  | NEC: CM<br>CEC: CM | 5 | 500<br>1000 | 152.4<br>304.8 | 61.5<br>119.0 | 27.9<br>54.0 | same as above | .090 | 2.29          | same as above | .477           | 12.12 |    |     |      |      |      |      |      |      |

**Color Code Chart**

| Cond. | Color | Cond. | Color  |
|-------|-------|-------|--------|
| 1     | Red   | 4     | White  |
| 2     | Green | 5     | Yellow |
| 3     | Blue  |       |        |

**25 AWG** Solid .018" Tinned Copper Conductors • Duobond® (100% Coverage) + Tinned Copper Interlocked Serve Shield (95% Coverage)

**FPFA Insulation • Inner PVC Jacket (Color Code: See chart below) • Overall Black PVC Jacket**

|  |                                  |                      |   |                      |                        |                      |                     |                |      |               |               |                |       |    |     |      |      |   |     |      |      |       |
|--|----------------------------------|----------------------|---|----------------------|------------------------|----------------------|---------------------|----------------|------|---------------|---------------|----------------|-------|----|-----|------|------|---|-----|------|------|-------|
|  | <b>1277R</b><br>300V RMS<br>60°C | NEC: CMR<br>CEC: CMG | 3 | 500†<br>1000†        | 152.4<br>304.8         | 25.5<br>48.0         | 11.6<br>21.8        | 25 AWG (solid) | .074 | 1.88          | Duobond       | .320           | 8.13  | 75 | 80% | 17.0 | 55.8 | 1 | .5  | 1.7  |      |       |
|  |                                  |                      |   |                      |                        |                      |                     |                |      | Coax OD: .114 | 2.90          | + 95% TC Braid |       |    |     |      |      |   | 5   | 1.2  | 3.8  |       |
|  |                                  |                      |   |                      |                        |                      |                     |                |      |               |               | 5.4Ω/M'        |       |    |     |      |      |   | 50  | 3.7  | 12.1 |       |
|  |                                  |                      |   |                      |                        |                      |                     |                |      |               |               | 17.7Ω/km       |       |    |     |      |      |   | 100 | 4.9  | 16.1 |       |
|  |                                  |                      |   |                      |                        |                      |                     |                |      |               |               |                |       |    |     |      |      |   | 200 | 6.7  | 22.0 |       |
|  |                                  |                      |   |                      |                        |                      |                     |                |      |               |               |                |       |    |     |      |      |   |     | 400  | 9.5  | 31.2  |
|  |                                  |                      |   |                      |                        |                      |                     |                |      |               |               |                |       |    |     |      |      |   |     | 750  | 13.4 | 44.0  |
|  |                                  |                      |   |                      |                        |                      |                     |                |      |               |               |                |       |    |     |      |      |   |     | 900  | 15.0 | 49.2  |
|  |                                  |                      |   |                      |                        |                      |                     |                |      |               |               |                |       |    |     |      |      |   |     | 1000 | 15.8 | 51.8  |
|  |                                  |                      |   |                      |                        |                      |                     |                |      |               |               |                |       |    |     |      |      |   |     | 3000 | 31.2 | 102.4 |
|  | <b>1278R</b>                     | NEC: CMR<br>CEC: CMG | 4 | 250<br>500†<br>1000† | 76.2<br>152.4<br>304.8 | 21.8<br>31.5<br>60.0 | 9.9<br>14.3<br>27.2 | same as above  | .074 | 1.88          | same as above | .351           | 8.92  |    |     |      |      |   |     |      |      |       |
|  | <b>1279R</b>                     | NEC: CMR<br>CEC: CMG | 5 | 500†<br>1000†        | 152.4<br>304.8         | 40.5<br>80.0         | 18.4<br>36.3        | same as above  | .074 | 1.88          | same as above | .403           | 10.24 |    |     |      |      |   |     |      |      |       |
|  | <b>1280R</b>                     | NEC: CMR<br>CEC: CMG | 6 | 500†<br>1000†        | 152.4<br>304.8         | 44.0<br>87.0         | 20.0<br>39.5        | same as above  | .074 | 1.88          | same as above | .423           | 10.74 |    |     |      |      |   |     |      |      |       |

100% Sweep tested. 5 MHz to 850 MHz.  
See page 6.34 for single coax versions.

**Color Code Chart**

| Cond. | Color | Cond. | Color  |
|-------|-------|-------|--------|
| 1     | Red   | 4     | Yellow |
| 2     | Green | 5     | Black  |
| 3     | Blue  | 6     | White  |

**Plenum • FPFA Insulation • Inner Fluorocopolymer Jacket (Color Code: See chart below) • Overall Gray PVC Jacket**

|  |                                  |                      |              |                      |       |                    |                        |                      |                     |               |               |                |               |      |      |      |      |   |     |      |      |      |
|--|----------------------------------|----------------------|--------------|----------------------|-------|--------------------|------------------------|----------------------|---------------------|---------------|---------------|----------------|---------------|------|------|------|------|---|-----|------|------|------|
|  | <b>1277P</b><br>300V RMS<br>60°C | NEC: CMP<br>CEC: CMP | 3            | 500                  | 152.4 | 19.0               | 9.8                    | 25 AWG (solid)       | .074                | 1.91          | Duobond       | .276           | 7.01          | 75   | 81%  | 16.8 | 55.1 | 1 | .5  | 1.6  |      |      |
|  |                                  |                      |              |                      | 1000  | 304.8              | 41.0                   | 19.5                 |                     | Coax OD: .111 | 2.92          | + 95% TC Braid |               |      |      |      |      |   | 5   | 1.2  | 3.9  |      |
|  |                                  |                      |              |                      |       |                    |                        |                      |                     |               |               | 5.4Ω/km        |               |      |      |      |      |   | 50  | 3.8  | 12.5 |      |
|  |                                  |                      |              |                      |       |                    |                        |                      |                     |               |               | 17.7Ω/km       |               |      |      |      |      |   | 100 | 5.2  | 17.1 |      |
|  |                                  |                      |              |                      |       |                    |                        |                      |                     |               |               |                |               |      |      |      |      |   | 200 | 7.1  | 23.3 |      |
|  |                                  |                      |              |                      |       |                    |                        |                      |                     |               |               |                |               |      |      |      |      |   |     | 400  | 10.0 | 32.8 |
|  |                                  |                      |              |                      |       |                    |                        |                      |                     |               |               |                |               |      |      |      |      |   |     | 750  | 14.3 | 46.9 |
|  |                                  |                      |              |                      |       |                    |                        |                      |                     |               |               |                |               |      |      |      |      |   |     | 1000 | 16.9 | 55.4 |
|  |                                  |                      | <b>1278P</b> | NEC: CMP<br>CEC: CMP | 4     | 500                | 152.4                  | 27.0                 | 12.7                | same as above | .074          | 1.91           | same as above | .304 | 7.72 |      |      |   |     |      |      |      |
|  |                                  |                      | <b>1279P</b> | NEC: CMP<br>CEC: CMP | 5     | 250<br>500<br>1000 | 76.2<br>152.4<br>304.8 | 19.0<br>34.0<br>68.0 | 8.6<br>15.9<br>31.3 | same as above | .074          | 1.91           | same as above | .335 | 8.51 |      |      |   |     |      |      |      |
|  | <b>1280P</b>                     | NEC: CMP<br>CEC: CMP | 6            | 500                  | 152.4 | 39.0               | 17.7                   | same as above        | .074                | 1.91          | same as above | .369           | 9.37          |      |      |      |      |   |     |      |      |      |

100% Sweep tested. 5 MHz to 850 MHz.  
See page 6.34 for single coax versions.

**Color Code Chart**

| Cond. | Color | Cond. | Color  |
|-------|-------|-------|--------|
| 1     | Red   | 4     | Yellow |
| 2     | Green | 5     | Black  |
| 3     | Blue  | 6     | White  |

BC = Bare Copper • DCR = DC Resistance • FPFA = Foam Perfluoroalkoxy • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a more Comprehensive Connector Cross Reference. 1-800-BELDEN-1.

Request quotations of cables not listed.

†Spools are one piece, but length may vary ±10% from length shown.



# Bundled RGB Cable

Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video  
CMR and CMP Rated



| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Cond. | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |             |          |
|-------------|----------|------------------------|--------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|-------------|----------|
|             |          |                        |              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/ 100 Ft. | dB/ 100m |

**Miniature • 25 AWG Solid .018" TC Conductors • Duobond® (100% Coverage) + TC Interlocked Serve Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • PVC Jackets (Color Code: See chart below) • Center Spine • No Overall Jacket**

|  |   |                                |    |   |                        |                      |                     |  |      |      |   |   |    |     |      |      |   |  |   |
|--|---|--------------------------------|----|---|------------------------|----------------------|---------------------|--|------|------|---|---|----|-----|------|------|---|--|---|
|  | <b>1281S3</b><br><small>new</small>   | NEC:<br>CMR<br>CEC:<br>CMG     | 3  | 500 <sup>†</sup><br>1000 <sup>†</sup>                     | 152.4<br>304.8         | 17.0<br>31.0         | 7.7<br>14.1         | 25 AWG (solid)<br>.018"<br>TC<br>34.0Ω/M'<br>111.6Ω/km | .074 | 1.88 | Duobond (100%)<br>+ TC Serve (95%)<br>5.4Ω/M'<br>17.7Ω/km | Single:<br>.114 2.90<br>Overall:<br>.246 6.25 | 75 | 80% | 17.0 | 55.8 | 1<br>5<br>50<br>100<br>200<br>400<br>750<br>900<br>1000<br>3000 | .52<br>1.2<br>3.7<br>4.9<br>6.7<br>9.5<br>13.4<br>15.0<br>15.8<br>31.2 | 1.7<br>3.8<br>12.1<br>16.1<br>22.0<br>31.2<br>44.0<br>49.2<br>51.8<br>102.4 |
|  | <b>1281S4</b><br><small>new</small>   | NEC:<br>CMR<br>CEC:<br>CMG     | 4  | 500 <sup>†</sup><br>1000 <sup>†</sup>                     | 152.4<br>304.8         | 23.5<br>44.0         | 10.7<br>20.0        | same as above  | .074 | 1.88 | same as above   | Single:<br>.114 2.90<br>Overall:<br>.275 6.99 |    |     |      |      |   |  |   |
|  | <b>1281S5</b><br><small>new</small>   | NEC:<br>CMR<br>CEC:<br>CMG     | 5* | 250 <sup>†</sup><br>500 <sup>†</sup><br>1000 <sup>†</sup> | 76.2<br>152.4<br>304.8 | 16.0<br>28.5<br>55.0 | 7.3<br>12.9<br>25.0 | same as above  | .074 | 1.88 | same as above   | Single:<br>.114 2.90<br>Overall:<br>.308 7.82 |    |     |      |      |   |  |   |
|  | <b>1281S6</b><br><small>new</small>   | NEC:<br>CMR<br>CEC:<br>CMG FT4 | 6* | 500 <sup>†</sup><br>1000 <sup>†</sup>                     | 152.4<br>304.8         | 33.5<br>68.0         | 15.2<br>30.8        | same as above  | .074 | 1.88 | same as above   | Single:<br>.114 2.90<br>Overall:<br>.342 8.69 |    |     |      |      |   |  |   |
|  | <p>100% Sweep tested. 5 MHz to 850 MHz. Guaranteed Return Loss -20db max. U.S. Patent 7,049,523</p> |                                |    |   |                        |                      |                     |  |      |      |   |   |    |     |      |      |   |  |   |

**Plenum • FPFA • Flamarrest® Jackets (Color Code: See chart below) • Center Spine • No Overall Jacket**

|  |   |                            |    |                    |                        |                      |                     |  |      |      |   |   |    |     |      |      |  |   |   |
|--|---|----------------------------|----|--------------------|------------------------|----------------------|---------------------|--|------|------|---|---|----|-----|------|------|--|---|---|
|  | <b>1282S3</b><br><small>new</small>   | NEC:<br>CMP<br>CEC:<br>CMP | 3  | 500<br>1000        | 152.4<br>304.8         | 18.5<br>34.0         | 8.4<br>15.4         | 25 AWG (solid)<br>.018"<br>TC<br>34.0Ω/M'<br>111.6Ω/km | .075 | 1.91 | Duobond (100%)<br>+ TC Serve (95%)<br>5.4Ω/M'<br>17.7Ω/km | Single:<br>.114 2.90<br>Overall:<br>.246 6.25 | 75 | 81% | 16.8 | 55.1 | 1<br>5<br>50<br>100<br>200<br>400<br>750<br>1000<br>2250<br>3000 | .50<br>1.2<br>3.8<br>5.2<br>7.1<br>10.0<br>14.3<br>16.9<br>25.5<br>33.9 | 1.6<br>3.9<br>12.1<br>17.1<br>23.1<br>32.9<br>47.0<br>55.4<br>83.6<br>111.3 |
|  | <b>1282S4</b><br><small>new</small>   | NEC:<br>CMP<br>CEC:<br>CMP | 4  | 500<br>1000        | 152.4<br>304.8         | 25.5<br>49.0         | 11.6<br>22.2        | same as above  | .075 | 1.91 | same as above   | Single:<br>.114 2.90<br>Overall:<br>.275 6.99 |    |     |      |      |  |   |   |
|  | <b>1282S5</b><br><small>new</small>   | NEC:<br>CMP<br>CEC:<br>CMP | 5* | 250<br>500<br>1000 | 76.2<br>152.4<br>304.8 | 18.0<br>33.0<br>67.0 | 8.2<br>15.0<br>30.4 | same as above  | .075 | 1.91 | same as above   | Single:<br>.114 2.90<br>Overall:<br>.308 7.82 |    |     |      |      |  |   |   |
|  | <b>1282S6</b><br><small>new</small>   | NEC:<br>CMP<br>CEC:<br>CMP | 6* | 500<br>1000        | 152.4<br>304.8         | 39.5<br>80.0         | 17.9<br>36.3        | same as above  | .075 | 1.91 | same as above   | Single:<br>.114 2.90<br>Overall:<br>.342 8.69 |    |     |      |      |  |   |   |
|  | <p>100% Sweep tested. 5 MHz to 850 MHz. Guaranteed Return Loss -20db max. U.S. Patent 7,049,523</p> |                            |    |                    |                        |                      |                     |  |      |      |   |   |    |     |      |      |  |   |   |

DCR = DC Resistance • FPFA = Foam Perfluoroalkoxy • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a more Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

<sup>†</sup>Spools are one piece, but length may vary ±10% from length shown.

\*Also available with all Black jackets.

### Color Code Chart:

| Cond. | Color | Cond. | Color  |
|-------|-------|-------|--------|
| 1     | Red   | 4     | Yellow |
| 2     | Green | 5     | Black  |
| 3     | Blue  | 6     | White  |



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)

# High-Flex S-Video Cable

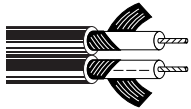


| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Cond. | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |             |
|-------------|----------|------------------------|--------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|-------------|
|             |          |                        |              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/ 100 Ft. |

**30 AWG** Stranded (7x38) .012" Tinned Copper Conductors • Tinned Copper Serve Shield (90% Coverage)

**Foam HDPE Insulation • Matte Black PVC Jacket** (One Coax Printed and Striped for Identification)

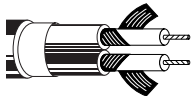
|                           |              |   |   |        |         |      |     |               |      |      |            |      |      |    |     |      |      |      |      |      |
|---------------------------|--------------|---|---|--------|---------|------|-----|---------------|------|------|------------|------|------|----|-----|------|------|------|------|------|
| Parallel Zip Construction | <b>1807A</b> | — | 2 | U-500  | U-152.4 | 8.0  | 3.6 | 30 AWG (7x38) | .058 | 1.47 | TC Serve   | .110 | 2.79 | 75 | 78% | 17.3 | 56.7 | 1    | .6   | 2.0  |
|                           |              |   |   | 500    | 152.4   | 7.5  | 3.4 |               |      |      | 90% Shield | x    | x    |    |     |      |      | 5    | 1.4  | 4.6  |
|                           |              |   |   | U-1000 | U-304.8 | 15.0 | 6.8 | .012"         |      |      | Coverage   | .230 | 5.84 |    |     |      |      | 10   | 2.1  | 6.9  |
|                           |              |   |   | 1000   | 304.8   | 14.0 | 6.4 | TC            |      |      | 7.5Ω/M'    |      |      |    |     |      |      | 30   | 3.8  | 12.5 |
|                           |              |   |   |        |         |      |     | 100.0Ω/M'     |      |      | 24.6Ω/km   |      |      |    |     |      |      | 50   | 5.1  | 16.7 |
|                           |              |   |   |        |         |      |     | 328.0Ω/km     |      |      |            |      |      |    |     |      |      | 100  | 7.6  | 24.9 |
|                           |              |   |   |        |         |      |     |               |      |      |            |      |      |    |     |      |      | 200  | 11.3 | 37.1 |
|                           |              |   |   |        |         |      |     |               |      |      |            |      |      |    |     |      |      | 400  | 16.9 | 55.4 |
|                           |              |   |   |        |         |      |     |               |      |      |            |      |      |    |     |      |      | 700  | 23.3 | 76.4 |
|                           |              |   |   |        |         |      |     |               |      |      |            |      |      |    |     |      |      | 900  | 26.9 | 88.2 |
|                           |              |   |   |        |         |      |     |               |      |      |            |      |      |    |     |      |      | 1000 | 28.6 | 93.8 |



For Plenum version see 7700A.

**Foam HDPE Insulation • Matte Black PVC Jacket** (Inner PVC Jackets Color Code: Black and Yellow)

|                    |              |   |   |        |         |      |      |               |      |      |            |      |     |    |     |      |      |      |      |      |
|--------------------|--------------|---|---|--------|---------|------|------|---------------|------|------|------------|------|-----|----|-----|------|------|------|------|------|
| Round Construction | <b>1808A</b> | — | 2 | U-500  | U-152.4 | 16.5 | 7.5  | 30 AWG (7x38) | .058 | 1.47 | TC Serve   | .255 | .84 | 75 | 78% | 17.3 | 56.7 | 1    | .6   | 2.0  |
|                    |              |   |   | 500    | 152.4   | 14.5 | 6.6  |               |      |      | 90% Shield |      |     |    |     |      |      | 5    | 1.4  | 4.6  |
|                    |              |   |   | U-1000 | U-304.8 | 31.0 | 14.1 | .013"         | .100 | 2.54 | Coverage   |      |     |    |     |      |      | 10   | 2.1  | 6.9  |
|                    |              |   |   | 1000   | 304.8   | 33.0 | 15.0 | TC            |      |      | 7.5Ω/M'    |      |     |    |     |      |      | 30   | 3.8  | 12.5 |
|                    |              |   |   |        |         |      |      | 100.0Ω/M'     |      |      | 24.6Ω/km   |      |     |    |     |      |      | 50   | 5.1  | 16.7 |
|                    |              |   |   |        |         |      |      | 328.0Ω/km     |      |      |            |      |     |    |     |      |      | 100  | 7.6  | 24.9 |
|                    |              |   |   |        |         |      |      |               |      |      |            |      |     |    |     |      |      | 200  | 11.3 | 37.1 |
|                    |              |   |   |        |         |      |      |               |      |      |            |      |     |    |     |      |      | 400  | 16.9 | 55.4 |
|                    |              |   |   |        |         |      |      |               |      |      |            |      |     |    |     |      |      | 700  | 23.3 | 76.4 |
|                    |              |   |   |        |         |      |      |               |      |      |            |      |     |    |     |      |      | 900  | 26.9 | 88.3 |
|                    |              |   |   |        |         |      |      |               |      |      |            |      |     |    |     |      |      | 1000 | 28.6 | 93.8 |

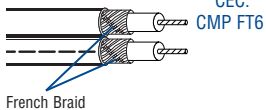


Available in Plenum versions by special order only.

**30 AWG** Stranded (7x38) .012" Tinned Copper Conductors • Tinned Copper "French Braid" Shield (98% Coverage)

**Plenum • Foam FEP Teflon® Insulation • Black Flamarrest® Jacket** (One Coax Printed and Striped for Identification)

|                           |              |                       |   |      |       |      |     |               |      |      |                |      |      |    |     |      |      |      |      |      |
|---------------------------|--------------|-----------------------|---|------|-------|------|-----|---------------|------|------|----------------|------|------|----|-----|------|------|------|------|------|
| Parallel Zip Construction | <b>7700A</b> | NEC: CMP CEC: CMP FT6 | 2 | 500  | 152.4 | 8.5  | 3.9 | 30 AWG (7x38) | .053 | 1.35 | TC             | .107 | 2.72 | 75 | 78% | 17.3 | 56.7 | 1    | .7   | 2.3  |
|                           |              |                       |   | 1000 | 304.8 | 17.0 | 7.7 |               |      |      | "French Braid" | x    | x    |    |     |      |      | 5    | 1.7  | 5.6  |
|                           |              |                       |   |      |       |      |     | .012"         |      |      | 98% Shield     | .214 | 5.44 |    |     |      |      | 10   | 2.3  | 7.5  |
|                           |              |                       |   |      |       |      |     | TC            |      |      | Coverage       |      |      |    |     |      |      | 30   | 4.1  | 13.5 |
|                           |              |                       |   |      |       |      |     | 100.0Ω/M'     |      |      | 7.5Ω/M'        |      |      |    |     |      |      | 50   | 5.3  | 17.4 |
|                           |              |                       |   |      |       |      |     | 328.0Ω/km     |      |      | 24.6Ω/km       |      |      |    |     |      |      | 100  | 7.6  | 24.9 |
|                           |              |                       |   |      |       |      |     |               |      |      |                |      |      |    |     |      |      | 200  | 11.8 | 38.7 |
|                           |              |                       |   |      |       |      |     |               |      |      |                |      |      |    |     |      |      | 400  | 17.6 | 57.7 |
|                           |              |                       |   |      |       |      |     |               |      |      |                |      |      |    |     |      |      | 700  | 24.2 | 79.4 |
|                           |              |                       |   |      |       |      |     |               |      |      |                |      |      |    |     |      |      | 900  | 28.0 | 91.9 |
|                           |              |                       |   |      |       |      |     |               |      |      |                |      |      |    |     |      |      | 1000 | 29.8 | 97.8 |



French Braid

For Non-Plenum version see 1807A.

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a more Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

Teflon is a DuPont trademark.



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)

# Video Triax Cable

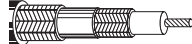
RG-59/U Type



| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor<br>(stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding<br>Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp.<br>(Ω) | Nom. Vel.<br>of Prop. | Nominal Capacitance |      | Nominal Attenuation |                |             |
|-------------|----------|------------------------------|------------------|---|----------------------|----|--|-----------------|----|------------------------------------|------------|----|------------------|-----------------------|---------------------|------|---------------------|----------------|-------------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |  | Inch            | mm |                                    | Inch       | mm |                  |                       | pF/Ft.              | pF/m | MHz                 | dB/<br>100 Ft. | dB/<br>100m |

**22 AWG Stranded (19x34) .031" Bare Copper Conductor • Double Bare Copper Braid Shield (95% Coverage)**

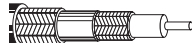
**Foam Polyethylene Insulation • Belflex® Jacket (Red, Yellow, Green, Blue, Purple or Black. Polyethylene Insulation between Braids)**

|  |              |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      |                      |                    |                    |                                      |     |    |     |  |  |  |  |  |  |  |  |  |  |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|--|--------------|---|------|-------|------|------|----------------------------|------|------|----------------------------------|------|------|----|-----|------|------|----------------------|--------------------|--------------------|--------------------------------------|-----|----|-----|--|--|--|--|--|--|--|--|--|--|----|----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|------|
| <b>High-Flex</b><br>75°C   | <b>1857A</b> | — | 500  | 152.4 | 42.5 | 19.3 | 22 AWG<br>(19x34)<br>.031" | .143 | 3.63 | (2) BC Braids<br>95%<br>Coverage | .360 | 9.14 | 75 | 79% | 17.0 | 55.8 | 1                    | .3                 | 1.0                |                                      |     |    |     |  |  |  |  |  |  |  |  |  |  |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |   | 1000 | 304.8 | 86.0 | 39.1 |                            |      |      |                                  |      |      |    |     |      |      | 14.0Ω/M'<br>45.9Ω/km | 2.5Ω/M'<br>8.2Ω/km | 1.6Ω/M'<br>5.3Ω/km | 100% Sweep tested. 5 MHz to 850 MHz. | 3.6 | .5 | 1.6 |  |  |  |  |  |  |  |  |  |  |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|   |              |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      |                      |                    |                    |                                      |     |    |     |  |  |  |  |  |  |  |  |  |  |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
| <table border="0"> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>10</td> <td>.8</td> <td>2.6</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>71.5</td> <td>2.2</td> <td>7.2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>135</td> <td>3.1</td> <td>10.2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>270</td> <td>4.5</td> <td>14.8</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>360</td> <td>5.4</td> <td>17.7</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>540</td> <td>6.8</td> <td>22.3</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>720</td> <td>8.1</td> <td>26.6</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>750</td> <td>8.4</td> <td>27.6</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1000</td> <td>10.1</td> <td>33.1</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1500</td> <td>13.3</td> <td>43.6</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2250</td> <td>17.6</td> <td>57.7</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3000</td> <td>21.4</td> <td>70.2</td> </tr> </table> |              |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      |                      |                    |                    |                                      |     |    |     |  |  |  |  |  |  |  |  |  |  | 10 | .8 | 2.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 71.5 | 2.2 | 7.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 135 | 3.1 | 10.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 270 | 4.5 | 14.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 360 | 5.4 | 17.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 540 | 6.8 | 22.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 720 | 8.1 | 26.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 750 | 8.4 | 27.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1000 | 10.1 | 33.1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1500 | 13.3 | 43.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2250 | 17.6 | 57.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3000 | 21.4 | 70.2 |
|  |              |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 10                   | .8                 | 2.6                |                                      |     |    |     |  |  |  |  |  |  |  |  |  |  |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 71.5                 | 2.2                | 7.2                |                                      |     |    |     |  |  |  |  |  |  |  |  |  |  |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 135                  | 3.1                | 10.2               |                                      |     |    |     |  |  |  |  |  |  |  |  |  |  |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 270                  | 4.5                | 14.8               |                                      |     |    |     |  |  |  |  |  |  |  |  |  |  |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 360                  | 5.4                | 17.7               |                                      |     |    |     |  |  |  |  |  |  |  |  |  |  |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 540                  | 6.8                | 22.3               |                                      |     |    |     |  |  |  |  |  |  |  |  |  |  |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 720                  | 8.1                | 26.6               |                                      |     |    |     |  |  |  |  |  |  |  |  |  |  |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 750                  | 8.4                | 27.6               |                                      |     |    |     |  |  |  |  |  |  |  |  |  |  |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 1000                 | 10.1               | 33.1               |                                      |     |    |     |  |  |  |  |  |  |  |  |  |  |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 1500                 | 13.3               | 43.6               |                                      |     |    |     |  |  |  |  |  |  |  |  |  |  |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 2250                 | 17.6               | 57.7               |                                      |     |    |     |  |  |  |  |  |  |  |  |  |  |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 3000                 | 21.4               | 70.2               |                                      |     |    |     |  |  |  |  |  |  |  |  |  |  |    |    |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |

Suitable for Outdoor applications: Black for permanent installations, All colors for field deployable use.

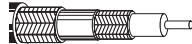
**20 AWG Solid .032" Bare Copper Conductor • Bare Copper Double Braid Shield (95% Coverage)**

**Plenum • Foam FEP Insulation • Black FEP Jacket (FEP Insulation between Braids)**

|   |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      |                      |                    |                    |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|---|--------------|--------------------------------|------|-------|------|------|----------------------------|------|------|----------------------------------|------|------|----|-----|------|------|----------------------|--------------------|--------------------|------------------------------------|-----|----|-----|--|--|--|--|--|--|--|--|--|--|------|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|------|
| 200°C<br>75°C   | <b>88232</b> | NEC:<br>CMP<br>CEC:<br>CMP FT6 | 500  | 152.4 | 29.0 | 13.2 | 20 AWG<br>(solid)<br>.032" | .140 | 3.56 | (2) BC Braids<br>95%<br>Coverage | .245 | 6.22 | 75 | 80% | 16.9 | 55.4 | 1                    | .4                 | 1.3                |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|   |              |                                | 1000 | 304.8 | 61.0 | 27.7 |                            |      |      |                                  |      |      |    |     |      |      | 10.0Ω/M'<br>32.8Ω/km | 2.6Ω/M'<br>8.5Ω/km | 2.6Ω/M'<br>8.5Ω/km | 100% Sweep tested. 5 MHz to 3 GHz. | 3.6 | .6 | 2.0 |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|    |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      |                      |                    |                    |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
| <table border="0"> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>71.5</td> <td>2.2</td> <td>7.2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>135</td> <td>3.1</td> <td>10.2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>270</td> <td>4.5</td> <td>14.8</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>360</td> <td>5.3</td> <td>17.4</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>540</td> <td>6.6</td> <td>21.7</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>720</td> <td>7.7</td> <td>25.3</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>750</td> <td>7.9</td> <td>25.9</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1000</td> <td>9.4</td> <td>30.8</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1500</td> <td>12.1</td> <td>39.7</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2250</td> <td>15.6</td> <td>51.2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3000</td> <td>18.7</td> <td>61.4</td> </tr> </table> |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      |                      |                    |                    |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  | 71.5 | 2.2 | 7.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 135 | 3.1 | 10.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 270 | 4.5 | 14.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 360 | 5.3 | 17.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 540 | 6.6 | 21.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 720 | 7.7 | 25.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 750 | 7.9 | 25.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1000 | 9.4 | 30.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1500 | 12.1 | 39.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2250 | 15.6 | 51.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3000 | 18.7 | 61.4 |
|   |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 71.5                 | 2.2                | 7.2                |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|   |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 135                  | 3.1                | 10.2               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|   |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 270                  | 4.5                | 14.8               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|   |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 360                  | 5.3                | 17.4               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|   |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 540                  | 6.6                | 21.7               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|   |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 720                  | 7.7                | 25.3               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|   |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 750                  | 7.9                | 25.9               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|   |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 1000                 | 9.4                | 30.8               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|   |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 1500                 | 12.1               | 39.7               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|   |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 2250                 | 15.6               | 51.2               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|   |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 3000                 | 18.7               | 61.4               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |

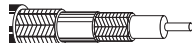
**20 AWG Solid .032" Bare Copper Conductor • Bare Copper Double Braid Shield (80% Coverage)**

**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket (Polyethylene Insulation between Braids)**

|  |             |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      |                      |                    |                    |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|--|-------------|---|------|-------|------|------|----------------------------|------|------|----------------------------------|------|------|----|-----|------|------|----------------------|--------------------|--------------------|------------------------------------|-----|----|-----|--|--|--|--|--|--|--|--|--|--|------|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|------|
| 80°C   | <b>8232</b> | — | 500  | 152.4 | 31.0 | 14.1 | 20 AWG<br>(solid)<br>.032" | .145 | 3.68 | (2) BC Braids<br>80%<br>Coverage | .315 | 8.00 | 75 | 83% | 16.2 | 53.1 | 1                    | .3                 | 1.0                |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |             |   | 1000 | 304.8 | 60.0 | 27.3 |                            |      |      |                                  |      |      |    |     |      |      | 10.0Ω/M'<br>32.8Ω/km | 2.5Ω/M'<br>8.2Ω/km | 2.8Ω/M'<br>9.2Ω/km | 100% Sweep tested. 5 MHz to 3 GHz. | 3.6 | .6 | 2.0 |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|   |             |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      |                      |                    |                    |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
| <table border="0"> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>71.5</td> <td>2.1</td> <td>6.9</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>135</td> <td>3.0</td> <td>9.8</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>270</td> <td>4.2</td> <td>13.8</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>360</td> <td>4.8</td> <td>15.7</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>540</td> <td>5.9</td> <td>19.4</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>720</td> <td>7.0</td> <td>23.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>750</td> <td>7.1</td> <td>23.3</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1000</td> <td>8.3</td> <td>27.2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1500</td> <td>10.5</td> <td>34.5</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2250</td> <td>13.4</td> <td>44.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3000</td> <td>15.9</td> <td>52.2</td> </tr> </table> |             |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      |                      |                    |                    |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  | 71.5 | 2.1 | 6.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 135 | 3.0 | 9.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 270 | 4.2 | 13.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 360 | 4.8 | 15.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 540 | 5.9 | 19.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 720 | 7.0 | 23.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 750 | 7.1 | 23.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1000 | 8.3 | 27.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1500 | 10.5 | 34.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2250 | 13.4 | 44.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3000 | 15.9 | 52.2 |
|  |             |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 71.5                 | 2.1                | 6.9                |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |             |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 135                  | 3.0                | 9.8                |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |             |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 270                  | 4.2                | 13.8               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |             |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 360                  | 4.8                | 15.7               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |             |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 540                  | 5.9                | 19.4               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |             |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 720                  | 7.0                | 23.0               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |             |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 750                  | 7.1                | 23.3               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |             |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 1000                 | 8.3                | 27.2               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |             |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 1500                 | 10.5               | 34.5               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |             |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 2250                 | 13.4               | 44.0               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |             |   |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 3000                 | 15.9               | 52.2               |                                    |     |    |     |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |

Suitable for Outdoor and Direct Burial applications. Suitable for Aerial applications when supported by a Messenger wire.

**Gas-injected Foam HDPE Insulation • Black PVC Jacket (PVC Insulation between Braids)**

|  |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|--|--------------|--------------------------------|------|-------|------|------|----------------------------|------|------|----------------------------------|------|------|----|-----|------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-----|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|-----|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------|------|------|
| 75°C   | <b>8232A</b> | NEC:<br>CMR<br>CEC:<br>CMG FT4 | 1000 | 304.8 | 68.0 | 30.8 | 20 AWG<br>(solid)<br>.032" | .145 | 3.68 | (2) BC Braids<br>80%<br>Coverage | .315 | 8.00 | 75 | 83% | 16.2 | 53.1 | 1    | .3   | 1.0  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|   |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
| <table border="0"> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>71.5</td> <td>2.1</td> <td>6.9</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>135</td> <td>3.0</td> <td>9.8</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>270</td> <td>4.2</td> <td>13.8</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>360</td> <td>4.8</td> <td>15.7</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>540</td> <td>5.9</td> <td>19.4</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>720</td> <td>7.0</td> <td>23.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>750</td> <td>7.1</td> <td>23.3</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1000</td> <td>8.3</td> <td>27.2</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1500</td> <td>10.5</td> <td>34.5</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2250</td> <td>13.4</td> <td>44.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3000</td> <td>15.9</td> <td>52.2</td> </tr> </table> |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 71.5 | 2.1 | 6.9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 135 | 3.0 | 9.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 270 | 4.2 | 13.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 360 | 4.8 | 15.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 540 | 5.9 | 19.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 720 | 7.0 | 23.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 750 | 7.1 | 23.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1000 | 8.3 | 27.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1500 | 10.5 | 34.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2250 | 13.4 | 44.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3000 | 15.9 | 52.2 |
|  |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 71.5 | 2.1  | 6.9  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 135  | 3.0  | 9.8  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 270  | 4.2  | 13.8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 360  | 4.8  | 15.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 540  | 5.9  | 19.4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 720  | 7.0  | 23.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 750  | 7.1  | 23.3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 1000 | 8.3  | 27.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 1500 | 10.5 | 34.5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 2250 | 13.4 | 44.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |
|  |              |                                |      |       |      |      |                            |      |      |                                  |      |      |    |     |      |      | 3000 | 15.9 | 52.2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |     |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |     |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |      |      |      |

Suitable for Aerial applications when supported by a Messenger wire and for Outdoor Applications.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

# Video Triax Cable

RG-59/U Type



| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**20 AWG Solid .032" Bare Copper Conductor • Double Bare Copper Braid Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • Belflex® Jacket** (Red, Yellow, Green, Blue or Black); Polyethylene Insulation between Braids

|      |              |   |      |       |      |      |                |      |      |               |      |      |    |     |      |      |      |      |      |
|------|--------------|---|------|-------|------|------|----------------|------|------|---------------|------|------|----|-----|------|------|------|------|------|
| 75°C | <b>1856A</b> | — | 1000 | 304.8 | 83.0 | 37.7 | 20 AWG (solid) | .145 | 3.68 | (2) BC Braids | .360 | 9.14 | 75 | 83% | 16.2 | 53.1 | 1    | .3   | 1.0  |
|      |              |   |      |       |      |      | .032"          |      |      | 95% Coverage  |      |      |    |     |      |      | 3.6  | .6   | 2.0  |
|      |              |   |      |       |      |      | BC             |      |      | Inner:        |      |      |    |     |      |      | 10   | .8   | 2.6  |
|      |              |   |      |       |      |      | 10.1Ω/M'       |      |      | 2.5Ω/M'       |      |      |    |     |      |      | 71.5 | 2.2  | 7.2  |
|      |              |   |      |       |      |      | 33.1Ω/km       |      |      | 8.2Ω/km       |      |      |    |     |      |      | 135  | 3.0  | 9.8  |
|      |              |   |      |       |      |      |                |      |      | Outer:        |      |      |    |     |      |      | 270  | 4.2  | 13.8 |
|      |              |   |      |       |      |      |                |      |      | 1.6Ω/M'       |      |      |    |     |      |      | 360  | 4.8  | 15.7 |
|      |              |   |      |       |      |      |                |      |      | 5.3Ω/km       |      |      |    |     |      |      | 540  | 5.9  | 19.4 |
|      |              |   |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 720  | 6.9  | 22.6 |
|      |              |   |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 750  | 7.1  | 23.3 |
|      |              |   |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 1000 | 8.8  | 28.9 |
|      |              |   |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 1500 | 12.0 | 39.4 |
|      |              |   |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 2250 | 16.4 | 53.8 |
|      |              |   |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 3000 | 20.4 | 66.9 |

Suitable for Outdoor applications: Black for permanent installations, all colors for field deployable use.

**Gas-injected Foam HDPE Insulation • Belflex Jacket** (Red, Yellow, Green, Blue, Purple or Black); PVC Insulation between Braids

|      |              |                          |      |       |      |      |                |      |      |               |      |      |    |     |      |      |      |      |      |
|------|--------------|--------------------------|------|-------|------|------|----------------|------|------|---------------|------|------|----|-----|------|------|------|------|------|
| 75°C | <b>1856B</b> | NEC: CMR<br>CEC: CMG FT4 | 1000 | 304.8 | 86.0 | 39.1 | 20 AWG (solid) | .145 | 3.68 | (2) BC Braids | .360 | 9.14 | 75 | 83% | 16.2 | 53.1 | 1    | .3   | 1.0  |
|      |              |                          |      |       |      |      | .032"          |      |      | 95% Coverage  |      |      |    |     |      |      | 3.6  | .6   | 2.0  |
|      |              |                          |      |       |      |      | BC             |      |      | Inner:        |      |      |    |     |      |      | 10   | .8   | 2.6  |
|      |              |                          |      |       |      |      | 10.1Ω/M'       |      |      | 2.5Ω/M'       |      |      |    |     |      |      | 71.5 | 2.2  | 7.2  |
|      |              |                          |      |       |      |      | 33.1Ω/km       |      |      | 8.2Ω/km       |      |      |    |     |      |      | 135  | 3.0  | 9.8  |
|      |              |                          |      |       |      |      |                |      |      | Outer:        |      |      |    |     |      |      | 270  | 4.2  | 13.8 |
|      |              |                          |      |       |      |      |                |      |      | 1.6Ω/M'       |      |      |    |     |      |      | 360  | 4.8  | 15.7 |
|      |              |                          |      |       |      |      |                |      |      | 5.2Ω/km       |      |      |    |     |      |      | 540  | 5.9  | 19.4 |
|      |              |                          |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 720  | 6.9  | 22.6 |
|      |              |                          |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 750  | 7.1  | 23.3 |
|      |              |                          |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 1000 | 8.8  | 28.9 |
|      |              |                          |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 1500 | 12.0 | 39.4 |
|      |              |                          |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 2250 | 16.4 | 53.8 |
|      |              |                          |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 3000 | 20.4 | 66.9 |

Suitable for Indoor/Outdoor applications.

**Gas-injected Foam HDPE Insulation • Paper Tape Separator • Black Hypalon® Jacket** (Polyethylene Insulation between Braids)

|      |             |   |      |       |      |      |                |      |      |               |      |      |    |     |      |      |      |      |      |
|------|-------------|---|------|-------|------|------|----------------|------|------|---------------|------|------|----|-----|------|------|------|------|------|
| 80°C | <b>9267</b> | — | 500  | 152.4 | 39.5 | 18.0 | 20 AWG (solid) | .145 | 3.68 | (2) BC Braids | .360 | 9.14 | 75 | 82% | 16.3 | 53.5 | 1    | .3   | 1.0  |
| VW-1 |             |   | 1000 | 304.8 | 77.0 | 35.0 | .032"          |      |      | 95% Coverage  |      |      |    |     |      |      | 3.6  | .6   | 2.0  |
|      |             |   |      |       |      |      | BC             |      |      | Inner:        |      |      |    |     |      |      | 10   | .9   | 3.0  |
|      |             |   |      |       |      |      | 10.0Ω/M'       |      |      | 2.5Ω/M'       |      |      |    |     |      |      | 71.5 | 2.1  | 6.9  |
|      |             |   |      |       |      |      | 33.1Ω/km       |      |      | 8.2Ω/km       |      |      |    |     |      |      | 135  | 2.9  | 9.5  |
|      |             |   |      |       |      |      |                |      |      | Outer:        |      |      |    |     |      |      | 270  | 4.2  | 13.8 |
|      |             |   |      |       |      |      |                |      |      | 2.6Ω/M'       |      |      |    |     |      |      | 360  | 4.8  | 15.7 |
|      |             |   |      |       |      |      |                |      |      | 8.5Ω/km       |      |      |    |     |      |      | 540  | 6.0  | 19.7 |
|      |             |   |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 720  | 6.7  | 22.0 |
|      |             |   |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 750  | 6.9  | 22.6 |
|      |             |   |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 1000 | 8.3  | 27.2 |
|      |             |   |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 1500 | 10.5 | 34.5 |
|      |             |   |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 2250 | 13.4 | 44.0 |
|      |             |   |      |       |      |      |                |      |      |               |      |      |    |     |      |      | 3000 | 15.9 | 52.2 |

Suitable for Outdoor and Direct Burial applications and Aerial when supported by a Messenger wire.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

Hypalon is a DuPont trademark.



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)

# Video Triax Cable

RG-11/U Type

75 Ohms



| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**15 AWG Stranded (19x27) .064" Bare Copper Conductor • Double Bare Copper Braid Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • Belflex® Jacket (Red, Yellow, Green, Blue, Purple or Black) Polyethylene Insulation between Braids**

|                          |              |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      |      |     |      |
|--------------------------|--------------|---|------|-------|-------|------|---|------|------|--|------|-------|----|-----|------|------|------|-----|------|
| <b>High-Flex</b><br>75°C | <b>1858A</b> | — | 500  | 152.4 | 80.5  | 36.8 | 15 AWG<br>(19x27)<br>.064"<br>BC<br>3.1Ω/M'<br>10.2Ω/km | .312 | 7.92 | (2) BC Braids<br>95%<br>Coverage<br>Inner:<br>1.8Ω/M'<br>5.9Ω/km<br>Outer:<br>1.4Ω/M'<br>4.6Ω/km | .520 | 13.20 | 75 | 78% | 17.3 | 56.8 | 1    | .1  | .5   |
|                          |              |   | 1000 | 304.8 | 157.0 | 71.8 |   |      |      |  |      |       |    |     |      |      | 3.6  | .3  | 1.0  |
|                          |              |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 10   | .5  | 1.6  |
|                          |              |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 71.5 | 1.2 | 3.9  |
|                          |              |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 135  | 1.8 | 5.9  |
|                          |              |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 270  | 2.6 | 8.5  |
|                          |              |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 360  | 3.1 | 10.2 |
|                          |              |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 540  | 3.9 | 12.8 |
|                          |              |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 720  | 4.7 | 15.4 |
|                          |              |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 1000 | 5.7 | 18.7 |

Suitable for Outdoor applications: Black for permanent installations, all colors for field deployable use.

**Plenum • Foam FEP Teflon® Insulation • Black Fluorocopolymer Jacket (Fluorocopolymer Insulation between Braids)**

|              |              |                                |      |       |       |      |   |      |      |  |      |       |    |     |      |      |      |     |      |
|--------------|--------------|--------------------------------|------|-------|-------|------|---|------|------|--|------|-------|----|-----|------|------|------|-----|------|
| <b>125°C</b> | <b>1859A</b> | NEC:<br>CMP<br>CEC:<br>CMP FT6 | 500  | 152.4 | 66.5  | 30.2 | 15 AWG<br>(19x27)<br>.064"<br>BC<br>3.1Ω/M'<br>10.2Ω/km | .285 | 7.24 | (2) BC Braids<br>95%<br>Coverage<br>Inner:<br>1.4Ω/M'<br>4.6Ω/km<br>Outer:<br>1.4Ω/M'<br>4.6Ω/km | .406 | 10.30 | 75 | 80% | 16.5 | 54.1 | 1    | .1  | .3   |
|              |              |                                | 1000 | 304.8 | 134.0 | 60.9 |   |      |      |  |      |       |    |     |      |      | 3.6  | .2  | .7   |
|              |              |                                |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 10   | .5  | 1.6  |
|              |              |                                |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 71.5 | 1.3 | 4.3  |
|              |              |                                |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 135  | 1.9 | 6.2  |
|              |              |                                |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 270  | 3.0 | 9.8  |
|              |              |                                |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 360  | 3.6 | 11.8 |
|              |              |                                |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 540  | 4.5 | 14.8 |
|              |              |                                |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 720  | 5.4 | 17.7 |
|              |              |                                |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 1000 | 6.6 | 21.7 |

Suitable for Outdoor and Direct Burial applications and Aerial when supported by a Messenger wire.

**15 AWG Stranded (19x27) .064" Bare Copper Conductor • Double Bare Copper Braid Shield (90% Coverage)**

**Gas-injected Foam HDPE Insulation • Yellow PVC Jacket (Polyethylene Insulation between Braids)**

|   |             |              |      |       |       |      |   |      |      |  |      |       |    |     |      |      |      |     |      |
|---|-------------|--------------|------|-------|-------|------|---|------|------|--|------|-------|----|-----|------|------|------|-----|------|
| <b>UL AWM</b><br>Style 1641<br>(30V 75°C)<br>VW-1 | <b>9192</b> | NEC:<br>CL2X | 1000 | 304.8 | 150.0 | 68.2 | 15 AWG<br>(19x27)<br>.064"<br>BC<br>3.1Ω/M'<br>10.2Ω/km | .312 | 7.92 | (2) BC Braids<br>90%<br>Coverage<br>Inner:<br>1.6Ω/M'<br>5.3Ω/km<br>Outer:<br>1.6Ω/M'<br>5.3Ω/km | .520 | 13.20 | 75 | 78% | 17.3 | 56.8 | 1    | .1  | .5   |
|   |             |              |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 3.6  | .3  | 1.0  |
|   |             |              |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 10   | .5  | 1.6  |
|   |             |              |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 71.5 | 1.2 | 3.9  |
|   |             |              |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 135  | 1.8 | 5.9  |
|   |             |              |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 270  | 2.6 | 8.5  |
|   |             |              |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 360  | 3.1 | 10.2 |
|   |             |              |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 540  | 3.9 | 12.8 |
|   |             |              |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 720  | 4.7 | 15.4 |
|   |             |              |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 1000 | 5.7 | 18.7 |

Suitable for Outdoor applications: Black for permanent installations, all colors for field deployable use.

**Gas-injected Foam HDPE Insulation • Paper Tape Separator • Black Hypalon® Jacket (Polyethylene Insulation between Braids)**

|   |             |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      |      |     |      |
|---|-------------|---|------|-------|-------|------|---|------|------|--|------|-------|----|-----|------|------|------|-----|------|
| <b>UL AWM</b><br>Style 1641<br>(30V 75°C)<br>VW-1 | <b>9232</b> | — | 500  | 152.4 | 76.5  | 19.3 | 15 AWG<br>(19x27)<br>.064"<br>BC<br>3.1Ω/M'<br>10.2Ω/km | .312 | 7.92 | (2) BC Braids<br>90%<br>Coverage<br>Inner:<br>1.6Ω/M'<br>5.3Ω/km<br>Outer:<br>1.7Ω/M'<br>5.3Ω/km | .520 | 13.20 | 75 | 78% | 17.3 | 56.8 | 1    | .1  | .5   |
|   |             |   | 1000 | 304.8 | 145.0 | 65.9 |   |      |      |  |      |       |    |     |      |      | 3.6  | .3  | 1.0  |
|   |             |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 10   | .5  | 1.6  |
|   |             |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 71.5 | 1.2 | 3.9  |
|   |             |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 135  | 1.8 | 5.9  |
|   |             |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 270  | 2.6 | 8.5  |
|   |             |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 360  | 3.1 | 10.2 |
|   |             |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 540  | 3.9 | 12.8 |
|   |             |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 720  | 4.7 | 15.4 |
|   |             |   |      |       |       |      |   |      |      |  |      |       |    |     |      |      | 1000 | 5.7 | 18.7 |

Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

Teflon is a DuPont trademark.  
Hypalon is a DuPont trademark.



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)

# Video Triax Cable

RG-11/U Type



| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**14 AWG Solid .064" Bare Copper Conductor • Double Bare Copper Braid Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket (Polyethylene Insulation between Braids)**

|      |             |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      |      |      |      |
|------|-------------|---|------|-------|-------|-------|----------------|------|------|----------------------------|------|-------|----|-----|------|------|------|------|------|
| 80°C | <b>8233</b> | — | 500  | 152.4 | 63.0  | 28.6  | 14 AWG (solid) | .285 | 7.24 | (2) BC Braids 95% Coverage | .475 | 12.07 | 75 | 84% | 16.1 | 52.8 | 1    | .2   | .7   |
|      |             |   | 1000 | 304.8 | 122.0 | 55.5  | .064"          |      |      | Inner: 2.5Ω/M'             |      |       |    |     |      |      | 3.6  | .3   | 1.0  |
|      |             |   | 2000 | 609.6 | 240.0 | 109.1 | BC             |      |      | Outer: 1.6Ω/M'             |      |       |    |     |      |      | 10   | .4   | 1.3  |
|      |             |   |      |       |       |       | 8.2Ω/km        |      |      | 5.3Ω/km                    |      |       |    |     |      |      | 71.5 | 1.1  | 3.6  |
|      |             |   |      |       |       |       |                |      |      | 1.4Ω/M'                    |      |       |    |     |      |      | 135  | 1.5  | 4.9  |
|      |             |   |      |       |       |       |                |      |      | 4.6Ω/km                    |      |       |    |     |      |      | 270  | 2.3  | 7.5  |
|      |             |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      | 360  | 2.7  | 8.9  |
|      |             |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      | 540  | 3.5  | 11.5 |
|      |             |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      | 720  | 4.2  | 13.8 |
|      |             |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      | 750  | 4.3  | 14.1 |
|      |             |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      | 1000 | 5.2  | 17.1 |
|      |             |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      | 1500 | 7.1  | 23.3 |
|      |             |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      | 2250 | 9.6  | 31.5 |
|      |             |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      | 3000 | 12.0 | 39.4 |

Suitable for Outdoor and Direct Burial applications and Aerial when supported by a Messenger wire.

**Gas-injected Foam HDPE Insulation • Black PVC Jacket (PVC Insulation between Braids)**

|      |              |              |       |        |       |       |                |      |      |                            |      |       |    |     |      |      |      |      |      |
|------|--------------|--------------|-------|--------|-------|-------|----------------|------|------|----------------------------|------|-------|----|-----|------|------|------|------|------|
| 75°C | <b>8233A</b> | NEC: —       | 1000  | 304.8  | 136.0 | 61.7  | 14 AWG (solid) | .285 | 7.24 | (2) BC Braids 95% Coverage | .475 | 12.07 | 75 | 84% | 16.1 | 52.8 | 1    | .2   | .7   |
|      |              | CMR          | 2000  | 609.6  | 266.0 | 120.7 | .064"          |      |      | Inner: 2.5Ω/M'             |      |       |    |     |      |      | 3.6  | .3   | 1.0  |
|      |              | CEC: CMG FT4 | 4000† | 1219.2 | 572.0 | 259.5 | BC             |      |      | Outer: 1.6Ω/M'             |      |       |    |     |      |      | 10   | .4   | 1.3  |
|      |              |              |       |        |       |       | 8.2Ω/km        |      |      | 5.3Ω/km                    |      |       |    |     |      |      | 71.5 | 1.1  | 3.6  |
|      |              |              |       |        |       |       |                |      |      | 1.4Ω/M'                    |      |       |    |     |      |      | 135  | 1.5  | 4.9  |
|      |              |              |       |        |       |       |                |      |      | 4.6Ω/km                    |      |       |    |     |      |      | 270  | 2.3  | 7.5  |
|      |              |              |       |        |       |       |                |      |      |                            |      |       |    |     |      |      | 360  | 2.7  | 8.9  |
|      |              |              |       |        |       |       |                |      |      |                            |      |       |    |     |      |      | 540  | 3.5  | 11.5 |
|      |              |              |       |        |       |       |                |      |      |                            |      |       |    |     |      |      | 720  | 4.2  | 13.8 |
|      |              |              |       |        |       |       |                |      |      |                            |      |       |    |     |      |      | 750  | 4.3  | 14.1 |
|      |              |              |       |        |       |       |                |      |      |                            |      |       |    |     |      |      | 1000 | 5.2  | 17.1 |
|      |              |              |       |        |       |       |                |      |      |                            |      |       |    |     |      |      | 1500 | 7.1  | 23.3 |
|      |              |              |       |        |       |       |                |      |      |                            |      |       |    |     |      |      | 2250 | 9.6  | 31.5 |
|      |              |              |       |        |       |       |                |      |      |                            |      |       |    |     |      |      | 3000 | 12.0 | 39.4 |

Suitable for Aerial applications when supported by a Messenger wire and for Outdoor applications.

**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket (PE Insulation between Braids; Flooding Compound on Outer Braid)**

|         |              |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      |      |      |      |
|---------|--------------|---|------|-------|-------|-------|----------------|------|------|----------------------------|------|-------|----|-----|------|------|------|------|------|
| Flooded | <b>7803A</b> | — | 500  | 152.4 | 64.0  | 29.1  | 14 AWG (solid) | .285 | 7.24 | (2) BC Braids 95% Coverage | .475 | 12.07 | 75 | 84% | 16.1 | 52.8 | 1    | .2   | .7   |
| 80°C    |              |   | 1000 | 304.8 | 123.0 | 55.9  | .064"          |      |      | Inner: 2.5Ω/M'             |      |       |    |     |      |      | 3.6  | .3   | 1.0  |
|         |              |   | 3000 | 914.4 | 381.0 | 173.2 | BC             |      |      | Outer: 1.6Ω/M'             |      |       |    |     |      |      | 10   | .4   | 1.3  |
|         |              |   |      |       |       |       | 8.2Ω/km        |      |      | 5.2Ω/km                    |      |       |    |     |      |      | 71.5 | 1.1  | 3.6  |
|         |              |   |      |       |       |       |                |      |      | 1.4Ω/M'                    |      |       |    |     |      |      | 135  | 1.5  | 4.9  |
|         |              |   |      |       |       |       |                |      |      | 4.6Ω/km                    |      |       |    |     |      |      | 270  | 2.3  | 7.5  |
|         |              |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      | 360  | 2.7  | 8.9  |
|         |              |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      | 540  | 3.5  | 11.5 |
|         |              |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      | 720  | 4.2  | 13.8 |
|         |              |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      | 750  | 4.3  | 14.1 |
|         |              |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      | 1000 | 5.2  | 17.1 |
|         |              |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      | 1500 | 7.1  | 23.3 |
|         |              |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      | 2250 | 9.6  | 31.5 |
|         |              |   |      |       |       |       |                |      |      |                            |      |       |    |     |      |      | 3000 | 12.0 | 39.4 |

Suitable for Outdoor and Direct Burial applications and Aerial applications when supported by a Messenger wire.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • PE = Polyethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

†Final put-up may vary ±10% from length shown.



# DS-3 and DS-4 Interconnect and Cross-connect Cable

## 735A\* Series

| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Cond. | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation  |     |             |
|-------------|----------|------------------------|--------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|----------------------|-----|-------------|
|             |          |                        |              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | Stand. Signal (Mb/s) | MHz | dB/ 100 Ft. |

**26 AWG Solid .016" (.40mm) Silver-plated Copper Conductor(s) • Beldfoil® + Tinned Copper Braid Shield (93% Coverage)**

**Foam HDPE Insulation • Overall Gray PVC Jacket (Multiple coaxes feature inner Gray PVC jackets w/printed nos. for circuit ID)**

|  |               |         |   |       |       |      |      |   |      |      |  |      |      |    |     |      |      |     |                                |        |      |
|--|---------------|---------|---|-------|-------|------|------|---|------|------|--|------|------|----|-----|------|------|-----|--------------------------------|--------|------|
|  | <b>735A1</b>  | NEC:    | 1 | 500   | 152.4 | 6.5  | 2.9  | 26 AWG (solid)<br>.016"<br>SPC<br>41.0Ω/M'<br>134.5Ω/km | .077 | 1.96 | Beldfoil + 93% TC Braid<br>5.3Ω/M'<br>17.4Ω/km | .129 | 3.38 | 75 | 76% | 17.7 | 58.0 | 2   | 1.0                            | .6     | 2.0  |
|  |               | CEC:    |   | 1000  | 304.8 | 12.0 | 5.5  |   |      |      |  |      |      |    |     |      |      |     | For Plenum version see 735A1P. | CEPT-1 | 1.0  |
|  |               | CMR:    |   |       |       |      |      |   |      |      |  |      |      |    |     |      |      |     |                                |        |      |
|  |               | CEC:    |   |       |       |      |      |   |      |      |  |      |      |    |     |      |      |     |                                |        |      |
|  |               | CMG FT4 |   |       |       |      |      |   |      |      |  |      |      |    |     |      |      |     |                                |        |      |
|  | <b>735A1T</b> | NEC:    | 1 | 500   | 152.4 | 7.5  | 3.4  | same as above   | .077 | 1.96 | same as above                                  | .129 | 3.28 | x  | x   | .203 | 5.16 | 20  | 10.0                           | 1.7    | 5.6  |
|  |               | CEC:    |   | 1000  | 304.8 | 13.0 | 6.0  |   |      |      |  |      |      |    |     |      |      |     | CEPT-3                         | 17.2   | 2.2  |
|  |               | CMR:    |   |       |       |      |      |   |      |      |  |      |      |    |     |      |      |     |                                |        |      |
|  |               | CEC:    |   |       |       |      |      |   |      |      |  |      |      |    |     |      |      |     |                                |        |      |
|  |               | CMG FT4 |   |       |       |      |      |   |      |      |  |      |      |    |     |      |      |     |                                |        |      |
| PVC insulated tracer.                                      |               |         |   |       |       |      |      |   |      |      |  |      |      |    |     |      |      |     |                                |        |      |
|  | <b>73502T</b> | NEC:    | 2 | 500   | 152.4 | 20.0 | 9.1  | 26 AWG (solid)<br>.017"<br>SPC<br>41.0Ω/M'<br>134.5Ω/km | .077 | 1.96 | same as above                                  | .179 | 4.55 | x  | x   | .308 | 7.82 | 20  | 100.0                          | 5.5    | 18.0 |
|  |               | CEC:    |   | 1000  | 304.8 | 44.0 | 20.0 |   |      |      |  |      |      |    |     |      |      |     | CEPT-4                         | 69.6   | 4.5  |
|  |               | CMR:    |   |       |       |      |      |   |      |      |  |      |      |    |     |      |      |     |                                |        |      |
|  |               | CEC:    |   |       |       |      |      |   |      |      |  |      |      |    |     |      |      |     |                                |        |      |
|  |               | CMG     |   |       |       |      |      |   |      |      |  |      |      |    |     |      |      |     |                                |        |      |
| 22 AWG stranded (7x30) tinned copper PVC insulated tracer. |               |         |   |       |       |      |      |   |      |      |  |      |      |    |     |      |      |     |                                |        |      |
|  | <b>735A2</b>  | NEC:    | 2 | 500†  | 152.4 | 14.0 | 6.4  | 26 AWG (solid)<br>.016"<br>SPC<br>41.0Ω/M'<br>134.5Ω/km | .077 | 1.96 | same as above                                  | .129 | 3.28 | x  | x   | .258 | 6.55 | 200 | 137.1                          | 6.4    | 21.0 |
|  |               | CEC:    |   | 1000† | 304.8 | 26.0 | 11.8 |   |      |      |  |      |      |    |     |      |      |     | DS-4                           | 137.1  | 6.4  |
|  |               | CMR:    |   |       |       |      |      |   |      |      |  |      |      |    |     |      |      |     |                                |        |      |
|  |               | CEC:    |   |       |       |      |      |   |      |      |  |      |      |    |     |      |      |     |                                |        |      |
|  |               | CMG FT4 |   |       |       |      |      |   |      |      |  |      |      |    |     |      |      |     |                                |        |      |

Siamese versions bonded in parallel, feature zip cord design with printing on one leg. Suitable for Outdoor applications.

|  |               |         |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|--|---------------|---------|----|-------|-------|-------|-------|---------------|------|------|---------------|------|-------|---------------|------|----------|--|--|--|--|--|
|  | <b>735A3</b>  | NEC:    | 3  | 500†  | 152.4 | 27.0  | 12.0  | same as above | .077 | 1.96 | same as above | .309 | 7.85  | Coax OD: .129 | 3.28 | as above |  |  |  |  |  |
|  |               | CEC:    |    | 1000† | 304.8 | 52.0  | 23.6  |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CMR:    |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CEC:    |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CMG FT4 |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  | <b>735A6</b>  | NEC:    | 6  | 500   | 152.4 | 47.0  | 21.3  | same as above | .077 | 1.96 | same as above | .399 | 10.14 | Coax OD: .129 | 3.28 | as above |  |  |  |  |  |
|  |               | CEC:    |    | 1000  | 304.8 | 95.0  | 43.1  |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CMR:    |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CEC:    |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CMG FT4 |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  | <b>735A8</b>  | NEC:    | 8  | 500†  | 152.4 | 64.5  | 29.3  | same as above | .077 | 1.96 | same as above | .447 | 11.35 | Coax OD: .129 | 3.28 | as above |  |  |  |  |  |
|  |               | CEC:    |    | 1000  | 304.8 | 125.0 | 56.7  |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CMR:    |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CEC:    |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CMG FT4 |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  | <b>735A9</b>  | NEC:    | 9  | 500†  | 152.4 | 77.0  | 34.9  | same as above | .077 | 1.96 | same as above | .484 | 12.29 | Coax OD: .129 | 3.28 | as above |  |  |  |  |  |
|  |               | CEC:    |    | 1000† | 304.8 | 133.0 | 60.5  |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CMR:    |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CEC:    |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CMG FT4 |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  | <b>735A12</b> | NEC:    | 12 | 500   | 152.4 | 94.5  | 43.0  | same as above | .077 | 1.96 | same as above | .581 | 14.76 | Coax OD: .129 | 3.28 | as above |  |  |  |  |  |
|  |               | CEC:    |    | 1000  | 304.8 | 187.0 | 85.0  |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CMR:    |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CEC:    |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CMG FT4 |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  | <b>735A16</b> | NEC:    | 16 | 500   | 152.4 | 126.5 | 57.4  | same as above | .077 | 1.96 | same as above | .636 | 16.15 | Coax OD: .129 | 3.28 | as above |  |  |  |  |  |
|  |               | CEC:    |    | 1000  | 304.8 | 257.0 | 116.6 |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CMR:    |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CEC:    |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CMG FT4 |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  | <b>735A24</b> | NEC:    | 24 | 1000† | 304.8 | 416.0 | 188.7 | same as above | .077 | 1.96 | same as above | .870 | 22.10 | Coax OD: .129 | 3.28 | as above |  |  |  |  |  |
|  |               | CEC:    |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CMR:    |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CEC:    |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |
|  |               | CMG FT4 |    |       |       |       |       |               |      |      |               |      |       |               |      |          |  |  |  |  |  |

100% Sweep tested.  
RL: 30dB min. at 15 MHz to 95 MHz.  
Non-plenum versions comply with Telcordia Specification GR-139-CORE.

**Plenum • Foam FEP Insulation • Gray Flamarrest® Jacket**

|  |               |         |   |      |       |      |     |               |      |      |               |      |      |    |     |      |      |                 |  |  |  |
|--|---------------|---------|---|------|-------|------|-----|---------------|------|------|---------------|------|------|----|-----|------|------|-----------------|--|--|--|
|  | <b>735A1P</b> | NEC:    | 1 | 500  | 152.4 | 7.5  | 3.4 | same as above | .077 | 1.96 | same as above | .129 | 3.28 | 75 | 76% | 17.7 | 58.1 | (same as above) |  |  |  |
|  |               | CEC:    |   | 1000 | 304.8 | 14.0 | 6.4 |               |      |      |               |      |      |    |     |      |      |                 |  |  |  |
|  |               | CMR:    |   |      |       |      |     |               |      |      |               |      |      |    |     |      |      |                 |  |  |  |
|  |               | CEC:    |   |      |       |      |     |               |      |      |               |      |      |    |     |      |      |                 |  |  |  |
|  |               | CMG FT6 |   |      |       |      |     |               |      |      |               |      |      |    |     |      |      |                 |  |  |  |

100% Sweep tested.  
RL: 30 dB min. at 15 MHz to 95 MHz.

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • SPC = Silver-plated Copper • TC = Tinned Copper  
See chart on page 6.58 for maximum transmission distances.

\*Lucent Technologies reference specification. Belden equivalent. Minimum Return Loss @ 55 MHz to 95 MHz = -35dB.  
†Final put-ups may vary ±10% from length shown for spools or reels and ±5% for UnReel® cartons.


# DS-3 and DS-4 Interconnect and Cross-connect Cable

## 734A\* Series

| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Cond. | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation  |     |             |
|-------------|----------|------------------------|--------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|----------------------|-----|-------------|
|             |          |                        |              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | Stand. Signal (Mb/s) | MHz | dB/ 100 Ft. |

**20 AWG Solid .032" (.81mm) Bare Copper Conductor(s) • Beldfoil® (100% Coverage) + Tinned Copper Braid Shield (85% Coverage)**

**Gas-injected FHDPE Insulation • Overall Gray PVC Jacket** (Multiple coaxes feature inner Gray PVC jackets w/printed nos. for circuit ID)

|  |                                |                                |             |                |                |                |                     |  |                                       |   |               |  |     |      |      |   |  |   |
|--|--------------------------------|--------------------------------|-------------|----------------|----------------|----------------|---------------------|--|---------------------------------------|---|---------------|--|-----|------|------|---|--|---|
|  | <b>734A1</b>                   | NEC:<br>CMR<br>CEC:<br>CMG FT4 | 1           | 500<br>1000    | 152.4<br>304.8 | 16.0<br>35.0   | 7.3<br>15.9         | 20 AWG (solid)<br>.032" BC<br>10.0Ω/M'<br>32.8Ω/km | .148<br>3.76                          | Beldfoil + 85% TC Braid<br>2.4Ω/M'<br>7.9Ω/km | .235<br>5.97  | 75   | 80% | 16.8 | 55.1 | 2 | CEPT-1<br>CEPT-2<br>10<br>20<br>CEPT-3<br>DS-3<br>STS-1<br>89.472<br>100<br>Telcordia Specification GR-139-CORE. | 1.0<br>.3<br>1.0<br>4.2<br>.5<br>1.6<br>5.0<br>.6<br>2.0<br>10.0<br>.8<br>2.6<br>17.2<br>1.0<br>3.3<br>22.4<br>1.1<br>3.6<br>25.9<br>1.2<br>3.9<br>44.7<br>1.6<br>5.3<br>50.0<br>1.7<br>6.6<br>69.6<br>2.0<br>6.5<br>77.8<br>2.1<br>6.9<br>200<br>100.0<br>2.5<br>8.2<br>DS-4<br>137.1<br>2.9<br>9.5<br>400<br>200.0<br>3.6<br>11.8 |
|  | <b>734A6</b>                   | NEC:<br>CMR<br>CEC:<br>CMG FT4 | 6           | 500<br>1000    | 152.4<br>304.8 | 142.5<br>293.0 | 64.6<br>132.9       | same<br>as<br>above                                | .148<br>3.76<br>Coax OD:<br>.235 5.97 | same<br>as<br>above                           | .772<br>19.61 | 100% Sweep tested.<br>RL: 30dB min. at<br>15 MHz to 95 MHz.<br>Non-plenum versions<br>comply with<br>Telcordia Specification<br>GR-139-CORE. |     |      |      |   |  |   |
| <b>734A12</b>  | NEC:<br>CMR<br>CEC:<br>CMG FT4 | 12                             | 500<br>1000 | 152.4<br>304.8 | 282.5<br>551.0 | 128.1<br>250.5 | same<br>as<br>above | .148<br>3.76<br>Coax OD:<br>.235 5.97              | same<br>as<br>above                   | 1.026<br>26.06                                |               |  |     |      |      |   |  |   |

**Plenum • Foam FEP Insulation • Gray Flamarrest® Jacket**

|  |               |                                |   |             |                |              |             |                     |              |                     |              |    |     |      |      |                 |  |
|--|---------------|--------------------------------|---|-------------|----------------|--------------|-------------|---------------------|--------------|---------------------|--------------|----|-----|------|------|-----------------|--|
|  | <b>734A1P</b> | NEC:<br>CMP<br>CEC:<br>CMP FT6 | 1 | 500<br>1000 | 152.4<br>304.8 | 16.5<br>36.0 | 7.5<br>16.3 | same<br>as<br>above | .148<br>3.76 | same<br>as<br>above | .215<br>5.46 | 75 | 80% | 17.3 | 56.8 | (same as above) | 100% Sweep tested.<br>RL: 30dB min. at 15 MHz to 95 MHz. |
|--|---------------|--------------------------------|---|-------------|----------------|--------------|-------------|---------------------|--------------|---------------------|--------------|----|-----|------|------|-----------------|--|

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • FHDPE = Foam High-density Polyethylene • TC = Tinned Copper  
See chart on page 6.58 for maximum transmission distances.

\*Lucent Technologies reference specification. Belden equivalent.

# DS-3 and DS-4 Interconnect and Cross-connect Cable

## 734D\* Series

| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Cond. | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance  |     | Nominal Attenuation |          |  |
|-------------|----------|------------------------|--------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|----------------------|-----|---------------------|----------|--|
|             |          |                        |              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | Stand. Signal (Mb/s) | MHz | dB/ 100 Ft.         | dB/ 100m |  |

**20 AWG Solid .032" (.81mm) Silver-plated Copper Conductor(s) • Beldfoil® (100% Coverage) + Tinned Copper Braid Shield (85% Coverage)**

**Gas-injected FHDPE Insulation • Overall Gray PVC Jacket** (Multiple coaxes feature inner Gray PVC jackets w/printed nos. for circuit ID)

|                      |   |                          |          |                 |                |                |                |   |                          |              |   |                   |                    |    |     |      |      |   |   |   |  |   |
|----------------------|---|--------------------------|----------|-----------------|----------------|----------------|----------------|---|--------------------------|--------------|---|-------------------|--------------------|----|-----|------|------|---|---|---|--|---|
|                      | <b>734D1</b>  | NEC: CMR<br>CEC: CMG FT4 | 1        | 500<br>1000     | 152.4<br>304.8 | 16.0<br>36.0   | 7.3<br>16.3    | 20 AWG (solid)<br>.032" SPC<br>10.0Ω/M'<br>32.8Ω/km | .148                     | 3.76         | Beldfoil + 85% TC Braid<br>2.4Ω/M'<br>7.9Ω/km | .235              | 5.97               | 75 | 80% | 16.8 | 55.1 | 2 | CEPT-1<br>CEPT-2<br>10<br>20  | 1.0<br>4.2<br>5.0<br>10.0   | .3<br>.5<br>.6<br>.8   | 1.0<br>1.6<br>2.0<br>2.6  |
|                      | <b>734D1T</b>   | NEC: CMR<br>CEC: CMG FT4 | 1<br>w/T | 500<br>1000     | 152.4<br>304.8 | 17.5<br>39.0   | 7.9<br>17.7    | same<br>as<br>above                                 | .148                     | 3.76         | same<br>as<br>above                           | .235<br>x<br>.309 | 5.97<br>x<br>7.85  |    |     |      |      |   | CEPT-3<br>DS-3<br>STS-1<br>89.472<br>100<br>CEPT-4<br>STS-3<br>200<br>DS-4<br>400 | 17.2<br>22.4<br>25.9<br>44.7<br>50.0<br>69.6<br>77.8<br>100.0<br>137.1<br>200.0 | 1.0<br>1.1<br>1.2<br>1.6<br>1.7<br>2.0<br>2.1<br>2.5<br>2.9<br>3.6 | 1.0<br>3.6<br>3.9<br>5.3<br>5.6<br>6.6<br>6.9<br>8.2<br>9.5<br>11.8 |
| PVC insulated trace. |   |                          |          |                 |                |                |                |   |                          |              |   |                   |                    |    |     |      |      |   |   |   |  |   |
|                      | <b>734D2</b>  | NEC: CMR<br>CEC: CMG FT4 | 2        | 500<br>1000     | 152.4<br>304.8 | 35.5<br>66.0   | 16.1<br>29.9   | same<br>as<br>above                                 | .148                     | 3.76         | same<br>as<br>above                           | .235<br>x<br>.485 | 5.97<br>x<br>12.32 |    |     |      |      |   |   |   |  |   |
|                      | Siamese versions bonded in parallel, feature zip cord design with printing on one leg.                          |                          |          |                 |                |                |                |   |                          |              |   |                   |                    |    |     |      |      |   |   |   |  |   |
|                      | <b>734D2T</b>   | NEC: CMR<br>CEC: CMG FT4 | 2<br>w/T | 500 †<br>1000 † | 152.4<br>304.8 | 37.5<br>73.0   | 17.0<br>33.1   | same<br>as<br>above                                 | .148                     | 3.76         | same<br>as<br>above                           | .235<br>x<br>.574 | 5.97<br>x<br>14.58 |    |     |      |      |   |   |   |  |   |
|                      | Siamese versions bonded in parallel, feature zip cord design with printing on one leg and PVC insulated tracer. |                          |          |                 |                |                |                |   |                          |              |   |                   |                    |    |     |      |      |   |   |   |  |   |
|                      | <b>734D6</b>  | NEC: CMR<br>CEC: CMG FT4 | 6        | 500 †<br>1000 † | 152.4<br>304.8 | 141.0<br>290.0 | 64.1<br>131.8  | same<br>as<br>above                                 | .148<br>Coax OD:<br>.235 | 3.76<br>5.97 | same<br>as<br>above                           | .772              | 19.61              |    |     |      |      |   |   |   |  |   |
|                      | <b>734D12</b>   | NEC: CMR<br>CEC: CMG FT4 | 12       | 500<br>1000     | 152.4<br>304.8 | 284.5<br>555.0 | 129.3<br>252.3 | same<br>as<br>above                                 | .148<br>Coax OD:<br>.235 | 3.76<br>5.97 | same<br>as<br>above                           | 1.026             | 26.06              |    |     |      |      |   |   |   |  |   |

100% Sweep tested.  
RL: 30dB min. at 15 MHz to 95 MHz.

Non-plenum versions comply with  
Telcordia Specification GR-139-CORE.

### Plenum • Foam FEP Insulation • Gray Flamarrest® Jacket

|  |  |                          |   |             |                |              |             |                     |      |      |                     |      |      |    |     |      |      |  |                 |  |  |  |  |
|--|--|--------------------------|---|-------------|----------------|--------------|-------------|---------------------|------|------|---------------------|------|------|----|-----|------|------|--|-----------------|--|--|--|--|
|  | <b>734D1P</b>  | NEC: CMP<br>CEC: CMP FT6 | 1 | 500<br>1000 | 152.4<br>304.8 | 17.0<br>37.0 | 7.7<br>16.8 | same<br>as<br>above | .148 | 3.76 | same<br>as<br>above | .215 | 5.46 | 75 | 80% | 17.3 | 56.7 |  | (same as above) |  |  |  |  |
|  | 100% Sweep tested.<br>RL: 30dB min. at 15 MHz to 95 MHz. |                          |   |             |                |              |             |                     |      |      |                     |      |      |    |     |      |      |  |                 |  |  |  |  |

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • FHDPE = Foam High-density Polyethylene • SPC = Silver-plated Copper • TC = Tinned Copper  
See chart on page 6.58 for maximum transmission distances.

\*Lucent Technologies reference specification. Belden equivalent. †Final put-ups may vary ±10% from length shown for spools or reels and ±5% for UnReel® cartons.

# DS-3 and DS-4 Interconnect and Cross-connect Cable

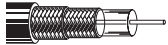
728A\* and 720A\* Series

| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Cond. | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation  |     |             |
|-------------|----------|------------------------|--------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|----------------------|-----|-------------|
|             |          |                        |              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | Stand. Signal (Mb/s) | MHz | dB/ 100 Ft. |

**20 AWG Solid .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)**

**Polyethylene Insulation • Gray PVC Jacket**

|                              |                        |                                |   |             |                |              |              |   |              |  |              |           |              |   |                  |           |   |  |  |  |
|------------------------------|------------------------|--------------------------------|---|-------------|----------------|--------------|--------------|---|--------------|--|--------------|-----------|--------------|---|------------------|-----------|---|--|--|--|
| Double Braid<br>60°C<br>VW-1 | <b>9231</b><br>(728A*) | NEC:<br>CMH<br>CEC:<br>CMH FT1 | 1 | 500<br>1000 | 152.4<br>304.8 | 39.0<br>76.0 | 17.7<br>34.5 | 20 AWG<br>(solid)<br>.031"<br>BC<br>9.9Ω/M'<br>32.5Ω/km | .198<br>5.03 | TC Double<br>Braid<br>98% Shield<br>Coverage<br>1.1Ω/M'<br>3.6Ω/km | .305<br>7.75 | 75<br>66% | 21.0<br>68.9 | 2 | 1.0<br>.3<br>1.0 | .3<br>1.0 | CEPT-1<br>CEPT-2<br>10<br>20<br>CEPT-3<br>DS-3<br>STS-1<br>89.472<br>100<br>CEPT-4<br>STS-3<br>200<br>DS-4<br>400 | 1.0<br>4.2<br>5.0<br>10.0<br>17.2<br>22.4<br>25.9<br>44.7<br>50.0<br>69.6<br>77.8<br>100.0<br>137.1<br>200.0 | .3<br>.5<br>.6<br>.8<br>1.0<br>1.1<br>1.2<br>1.4<br>1.5<br>2.0<br>2.2<br>2.7<br>3.1<br>3.7 | 1.0<br>1.6<br>2.0<br>2.6<br>3.3<br>3.6<br>3.9<br>4.6<br>4.9<br>6.6<br>7.2<br>8.9<br>10.2<br>12.1 |
|------------------------------|------------------------|--------------------------------|---|-------------|----------------|--------------|--------------|---|--------------|--|--------------|-----------|--------------|---|------------------|-----------|---|--|--|--|



Non-contaminating PVC jacket.  
Suitable for Outdoor applications and Aerial when supported by a Messenger wire.

**720A\* Series** Belden 720A Coaxial Cable Series is available by special request.  
Contact the Belden Customer Service Department for quotes. 1-800-BELDEN-1.

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper  
See table below for maximum transmission distances.  
\*Lucent Technologies reference specification. Belden equivalent.

## Maximum Transmission Distances for DS-3 and DS-4 Cable


| Data Rates:                   | DS-3<br>(44.736 Mb/s) |                   | STS-1<br>(51.86 Mb/s) |                   | DS-4Na (CEPT-4)<br>(139.264 Mb/s) |                  | STS-3<br>(155.520 Mb/s) |                  | DS-4<br>(274.176 Mb/s) |                  |
|-------------------------------|-----------------------|-------------------|-----------------------|-------------------|-----------------------------------|------------------|-------------------------|------------------|------------------------|------------------|
|                               | Belden Part No.       | Interconnect      | X-Connect             | Interconnect      | X-Connect                         | Interconnect     | X-Connect               | Interconnect     | X-Connect              | Interconnect     |
| <b>735A Series and 7351AP</b> | 225 ft.<br>(68.6m)    | 21 ft.<br>(6.4m)  | 210 ft.<br>(64.0m)    | 20 ft.<br>(6.1m)  | 125 ft.<br>(38.1m)                | 13 ft.<br>(4.0m) | 120 ft.<br>(36.6m)      | 11 ft.<br>(3.4m) | 90 ft.<br>(27.4m)      | 8 ft.<br>(2.4m)  |
| <b>734A and 734D Series</b>   | 450 ft.<br>(137.2m)   | 43 ft.<br>(13.1m) | 420 ft.<br>(128.0m)   | 40 ft.<br>(12.2m) | 250 ft.<br>(76.2m)                | 24 ft.<br>(7.3m) | 240 ft.<br>(73.2m)      | 22 ft.<br>(6.7m) | 180 ft.<br>(54.9m)     | 17 ft.<br>(5.2m) |
| <b>734A1P and 734D1P</b>      | 435 ft.<br>(132m)     | 43 ft.<br>(13m)   | 410 ft.<br>(125m)     | 40 ft.<br>(12m)   | 240 ft.<br>(73m)                  | 24 ft.<br>(7m)   | 225 ft.<br>(68m)        | 22 ft.<br>(8m)   | 170 ft.<br>(52m)       | 17 ft.<br>(5m)   |
| <b>728A</b>                   | 425 ft.<br>(129.5m)   | —                 | 380 ft.<br>(115.8m)   | —                 | 220 ft.<br>(67.1m)                | —                | 210 ft.<br>(64.0m)      | —                | 155 ft.<br>(47.2m)     | —                |
| <b>720A Series</b>            | 225 ft.<br>(68.6m)    | 25 ft.<br>(7.6m)  | 230 ft.<br>(70.1m)    | 23 ft.<br>(7.0m)  | 140 ft.<br>(42.7m)                | 14 ft.<br>(4.3m) | 130 ft.<br>(39.6m)      | 13 ft.<br>(4.0m) | 100 ft.<br>(30.5m)     | 9 ft.<br>(2.7m)  |

DS = Digital Signal • STS = Synchronous Transmission Signal • CEPT = European Conference of Postal and Telecommunications Administrations  
Please note: The signal loss budget for individual installations will affect the exact transmission distance.




# Low Loss 50 Ohm Wireless RF Transmission Cable

RG-174 Type

| Description   | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |       | Standard Unit Weight |      | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |      | Shielding Materials<br>Nom. DCR                      | Nominal OD |      | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |       | Nominal Attenuation |            |         |
|---|----------|------------------------------|------------------|-------|----------------------|------|---|-----------------|------|--|------------|------|---------------|--------------------|---------------------|-------|---------------------|------------|---------|
|   |          |                              | Ft.              | m     | Lbs.                 | kg   |   | Inch            | mm   |  | Inch       | mm   |               |                    | pF/Ft.              | pF/m  | MHz                 | dB/100 Ft. | dB/100m |
| <b>RG-174 Type • 25 AWG Solid .018" Bare Copper Conductor • Beldfoil® (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)</b> |          |                              |                  |       |                      |      |   |                 |      |  |            |      |               |                    |                     |       |                     |            |         |
| <b>Solid Polyethylene Insulation • Black PVC Jacket</b>   |          |                              |                  |       |                      |      |   |                 |      |  |            |      |               |                    |                     |       |                     |            |         |
| RF100A<br>80°C<br>                                   | 7805     | —                            | 100†             | 30.5  | 1.8                  | .8   | 25 AWG  | .061            | 1.55 | Beldfoil<br>+ 90% TC<br>Braid<br>9.1Ω/M'<br>29.9Ω/km | .110       | 2.79 | 50            | 66%                | 31.2                | 102.4 | 30                  | 3.8        | 12.4    |
|   |          |                              | 500              | 152.4 | 5.5                  | 2.5  | (solid)                                       | 50              | 4.9  |  |            |      |               |                    |                     |       | 16.1                |            |         |
|   |          |                              | 1000             | 304.8 | 10.0                 | 4.5  | .018"   | 150             | 8.6  |  |            |      |               |                    |                     |       | 28.2                |            |         |
|   |          |                              |                  |       |                      |      | BC  | 220             | 10.4 |  |            |      |               |                    |                     |       | 34.2                |            |         |
|   |          |                              |                  |       |                      |      | 3.2Ω/M'                                       | 450             | 15.2 |  |            |      |               |                    |                     |       | 49.9                |            |         |
|   |          |                              |                  |       |                      |      | 10.5Ω/km                                      | 900             | 22.0 |  |            |      |               |                    |                     |       | 72.3                |            |         |
|   |          |                              |                  |       |                      |      |   | 1500            | 28.7 |  |            |      |               |                    |                     |       | 94.3                |            |         |
|   |          |                              |                  |       |                      |      |   | 1800            | 31.7 |  |            |      |               |                    |                     |       | 104.0               |            |         |
|   |          |                              |                  |       |                      |      |   | 2000            | 33.4 |  |            |      |               |                    |                     |       | 109.7               |            |         |
|   |          |                              |                  |       |                      |      |   | 2500            | 37.8 |  |            |      |               |                    |                     |       | 124.2               |            |         |
|   |          |                              |                  |       | 3000                 | 42.0 | 137.8   |                 |      |  |            |      |               |                    |                     |       |                     |            |         |
|   |          |                              |                  |       | 4500                 | 52.3 | 171.5   |                 |      |  |            |      |               |                    |                     |       |                     |            |         |
|   |          |                              |                  |       | 5800                 | 60.9 | 199.8   |                 |      |  |            |      |               |                    |                     |       |                     |            |         |
|   |          |                              |                  |       | 6000                 | 62.0 | 203.3   |                 |      |  |            |      |               |                    |                     |       |                     |            |         |
| 100% Sweep tested. 6 GHz. Max. VSWR 1.25:1  |          |                              |                  |       |                      |      |   |                 |      |  |            |      |               |                    |                     |       |                     |            |         |
| Belden® The Wire in Wireless.   |          |                              |                  |       |                      |      |   |                 |      |  |            |      |               |                    |                     |       |                     |            |         |
| Mates with standard RG-174 connectors. Suitable for Aerial applications when supported by a Messenger wire.                           |          |                              |                  |       |                      |      |   |                 |      |  |            |      |               |                    |                     |       |                     |            |         |

**RG-174 Type • 24.5 AWG Solid .020" Bare Copper Conductor • Beldfoil + Tinned Copper Braid Shield (93% Coverage)**

| <b>Foam HDPE Insulation • Gray PVC Jacket</b>  |       |      |      |       |      |          |          |      |       |  |      |      |    |       |      |      |      |     |      |
|--|-------|------|------|-------|------|----------|----------|------|-------|--|------|------|----|-------|------|------|------|-----|------|
| RF100LL<br>80°C<br> | 7805R | NEC: | 100† | 30.5  | 1.8  | .8       | 24.5 AWG | .060 | 1.52  | Beldfoil<br>+ 93% TC<br>Braid<br>9.3Ω/M'<br>30.5Ω/km | .110 | 2.79 | 50 | 73.5% | 26.2 | 86.0 | 30   | 3.5 | 11.5 |
|  |       | CMR: | 500  | 152.4 | 5.5  | 2.5      | (solid)  | 50   | 4.6   |  |      |      |    |       |      |      | 15.0 |     |      |
|  |       | CEC: | 1000 | 304.8 | 10.0 | 4.5      | .020"    | 150  | 8.0   |  |      |      |    |       |      |      | 26.1 |     |      |
|  |       |      |      |       |      | BC       | 220      | 9.6  | 31.6  |  |      |      |    |       |      |      |      |     |      |
|  |       |      |      |       |      | 27.3Ω/M' | 450      | 14.0 | 46.1  |  |      |      |    |       |      |      |      |     |      |
|  |       |      |      |       |      | 94.2Ω/km | 900      | 20.2 | 66.4  |  |      |      |    |       |      |      |      |     |      |
|  |       |      |      |       |      |          | 1500     | 26.6 | 87.3  |  |      |      |    |       |      |      |      |     |      |
|  |       |      |      |       |      |          | 1800     | 29.5 | 96.7  |  |      |      |    |       |      |      |      |     |      |
|  |       |      |      |       |      |          | 2000     | 31.2 | 102.3 |  |      |      |    |       |      |      |      |     |      |
|  |       |      |      |       |      |          | 2500     | 35.4 | 116.3 |  |      |      |    |       |      |      |      |     |      |
|  |       |      |      |       | 3000 | 39.4     | 129.2    |      |       |  |      |      |    |       |      |      |      |     |      |
|  |       |      |      |       | 4500 | 50.0     | 164.2    |      |       |  |      |      |    |       |      |      |      |     |      |
|  |       |      |      |       | 5800 | 59.0     | 193.6    |      |       |  |      |      |    |       |      |      |      |     |      |
|  |       |      |      |       | 6000 | 60.6     | 198.7    |      |       |  |      |      |    |       |      |      |      |     |      |
| 100% Sweep tested. 6 GHz. Max. VSWR 1.25:1   |       |      |      |       |      |          |          |      |       |  |      |      |    |       |      |      |      |     |      |
| Belden® The Wire in Wireless.  |       |      |      |       |      |          |          |      |       |  |      |      |    |       |      |      |      |     |      |
| Mates with standard RG-174 connectors.   |       |      |      |       |      |          |          |      |       |  |      |      |    |       |      |      |      |     |      |

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

†May contain more than one piece. Min. length of any one piece is 25 ft.

# Low Loss 50 Ohm Wireless RF Transmission Cable

RG-58 Type

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**RG-58 Type • 19 AWG Solid .037" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)**

**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket**

|               |       |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |    |     |     |     |     |      |     |     |      |     |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------|-------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|----|-----|-----|-----|-----|------|-----|-----|------|-----|-----|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|
| RF195<br>80°C | 7806A | — | 500  | 152.4 | 14.5 | 6.6  | 19 AWG<br>(solid)<br>.037"<br>BC<br>7.6Ω/M'<br>24.9Ω/km | .110 | 2.79 | Duofoil<br>+ 90% TC<br>Braid<br>4.2Ω/M'<br>13.8Ω/km | .195 | 4.95 | 50 | 77% | 24.3 | 79.7 | 30 | 2.0 | 6.6 |     |     |      |     |     |      |     |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |
|               |       |   | 1000 | 304.8 | 23.0 | 10.4 |   |      |      |   |      |      |    |     |      |      | 50 | 2.5 | 8.2 | 150 | 4.0 | 13.3 | 220 | 4.9 | 16.1 | 450 | 7.1 | 23.4 | 900 | 10.3 | 33.8 | 1500 | 13.7 | 44.8 | 1800 | 15.2 | 49.7 | 2000 | 16.1 | 52.8 | 2500 | 18.3 |



100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with standard RG-58 connectors.\*  
Suitable for Outdoor and Direct Burial applications.

**Gas-injected Foam HDPE Insulation • Black PVC Jacket**

|               |       |      |      |       |      |      |   |      |      |   |      |      |    |     |      |      |    |     |     |     |     |      |     |     |      |     |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------|-------|------|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|----|-----|-----|-----|-----|------|-----|-----|------|-----|-----|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| RF195<br>80°C | 7806R | NEC: | 500  | 152.4 | 16.5 | 7.5  | 19 AWG<br>(solid)<br>.037"<br>BC<br>7.6Ω/M'<br>24.9Ω/km | .110 | 2.79 | Duofoil<br>+ 90% TC<br>Braid<br>4.2Ω/M'<br>13.8Ω/km | .195 | 4.95 | 50 | 77% | 24.3 | 79.7 | 30 | 2.0 | 6.6 |     |     |      |     |     |      |     |     |      |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|               |       | CMR  | 1000 | 304.8 | 27.0 | 12.3 |   |      |      |   |      |      |    |     |      |      | 50 | 2.5 | 8.2 | 150 | 4.0 | 13.3 | 220 | 4.9 | 16.1 | 450 | 7.1 | 23.4 | 900 | 10.3 | 33.8 | 1500 | 13.7 | 44.8 | 1800 | 15.2 | 49.7 | 2000 | 16.1 | 52.8 | 2500 | 18.3 | 60.1 |



CMG FT4

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with standard RG-58 connectors.\*

**RG-58 Type • 17 AWG Solid .044" Bare Copper Conductor • Duofoil (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket**

|               |       |   |      |       |      |      |   |      |      |   |      |      |    |     |      |      |    |     |     |     |     |      |     |     |      |     |     |      |     |     |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------|-------|---|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|----|-----|-----|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| RF200<br>80°C | 7807A | — | 500  | 152.4 | 15.0 | 6.8  | 17 AWG<br>(solid)<br>.044"<br>BC<br>3.3Ω/M'<br>10.9Ω/km | .116 | 2.95 | Duofoil<br>+ 95% TC<br>Braid<br>4.2Ω/M'<br>13.8Ω/km | .195 | 4.95 | 50 | 85% | 23.5 | 77.1 | 30 | 1.6 | 5.4 |     |     |      |     |     |      |     |     |      |     |     |      |      |      |      |      |      |      |      |      |      |      |      |
|               |       |   | 1000 | 304.8 | 24.0 | 10.9 |   |      |      |   |      |      |    |     |      |      | 50 | 2.1 | 7.0 | 150 | 3.7 | 12.1 | 220 | 4.5 | 14.6 | 450 | 6.5 | 21.2 | 900 | 9.2 | 30.1 | 1500 | 12.0 | 39.2 | 1800 | 13.2 | 43.2 | 2000 | 14.0 | 45.8 | 2500 | 15.7 |



100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with standard Land Mobile Radio type connectors.\*  
Suitable for Outdoor and Direct Burial applications.

**Gas-injected Foam HDPE Insulation • Black PVC Jacket**

|               |       |      |      |       |      |      |   |      |      |   |      |      |    |     |      |      |    |     |     |     |     |      |     |     |      |     |     |      |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---------------|-------|------|------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|----|-----|-----|-----|-----|------|-----|-----|------|-----|-----|------|-----|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|
| RF200<br>80°C | 7807R | NEC: | 500  | 152.4 | 13.5 | 6.1  | 17 AWG<br>(solid)<br>.044"<br>BC<br>3.3Ω/M'<br>10.9Ω/km | .116 | 2.95 | Duofoil<br>+ 95% TC<br>Braid<br>4.2Ω/M'<br>13.8Ω/km | .195 | 4.95 | 50 | 85% | 23.5 | 77.1 | 30 | 1.6 | 5.4 |     |     |      |     |     |      |     |     |      |     |     |      |      |      |      |      |      |      |      |      |      |      |      |      |
|               |       | CMR  | 1000 | 304.8 | 27.0 | 12.3 |   |      |      |   |      |      |    |     |      |      | 50 | 2.1 | 7.0 | 150 | 3.7 | 12.1 | 220 | 4.5 | 14.6 | 450 | 6.5 | 21.2 | 900 | 9.2 | 30.1 | 1500 | 12.0 | 39.2 | 1800 | 13.2 | 43.2 | 2000 | 14.0 | 45.8 | 2500 | 15.7 | 51.6 |



CMG FT4

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with standard Land Mobile Radio type connectors.\*

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\*Please consult Belden's website, [www.belden.com](http://www.belden.com), for complete listing.

# Low Loss 50 Ohm Wireless RF Transmission Cable

RG-8X Type

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor<br>(stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding<br>Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp.<br>(Ω) | Nom. Vel.<br>of Prop. | Nominal Capacitance |      | Nominal Attenuation |                |             |
|-------------|----------|------------------------------|------------------|---|----------------------|----|--|-----------------|----|------------------------------------|------------|----|------------------|-----------------------|---------------------|------|---------------------|----------------|-------------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |  | Inch            | mm |                                    | Inch       | mm |                  |                       | pF/Ft.              | pF/m | MHz                 | dB/<br>100 Ft. | dB/<br>100m |

**RG-8X Type • 15 AWG Solid .057" Bare Copper Conductor • Duobond® II (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**

**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket**

|                      |              |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      |      |      |      |
|----------------------|--------------|---|------|-------|------|------|---|------|------|--|------|------|----|-----|------|------|------|------|------|
| <b>RF240</b><br>80°C | <b>7808A</b> | — | 500  | 152.4 | 18.0 | 8.2  | 15 AWG<br>(solid)<br>.057"<br>BC<br>3.2Ω/M'<br>10.5Ω/km | .150 | 3.81 | Duobond II*<br>+ 95% TC<br>Braid<br>2.8Ω/M'<br>9.2Ω/km | .240 | 6.10 | 50 | 86% | 23.0 | 75.5 | 30   | 1.3  | 4.1  |
|                      |              |   | 1000 | 304.8 | 39.0 | 17.7 |   |      |      |  |      |      |    |     |      |      | 50   | 1.6  | 5.3  |
|                      |              |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 150  | 2.8  | 9.3  |
|                      |              |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 220  | 3.4  | 11.1 |
|                      |              |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 450  | 4.9  | 16.1 |
|                      |              |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 900  | 7.0  | 22.9 |
|                      |              |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 1500 | 9.1  | 30.0 |
|                      |              |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 1800 | 10.1 | 33.2 |
|                      |              |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 2000 | 10.7 | 35.0 |
|                      |              |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 2500 | 12.0 | 39.5 |
|                      |              |   |      | 3000  | 13.4 | 43.9 |   |      |      |  |      |      |    |     |      |      |      |      |      |
|                      |              |   |      | 4500  | 16.7 | 54.7 |   |      |      |  |      |      |    |     |      |      |      |      |      |
|                      |              |   |      | 5800  | 19.5 | 64.0 |   |      |      |  |      |      |    |     |      |      |      |      |      |
|                      |              |   |      | 6000  | 19.8 | 65.0 |   |      |      |  |      |      |    |     |      |      |      |      |      |



100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with standard RG-8X connectors.\*\*  
Suitable for Outdoor and Direct Burial applications.

**Gas-injected Foam HDPE Insulation • Black PVC Jacket**

|                      |              |                                |      |       |      |      |   |      |      |  |      |      |    |     |      |      |      |      |      |
|----------------------|--------------|--------------------------------|------|-------|------|------|---|------|------|--|------|------|----|-----|------|------|------|------|------|
| <b>RF240</b><br>80°C | <b>7808R</b> | NEC:<br>CMR<br>GEC:<br>CMG FT4 | 500  | 152.4 | 20.0 | 9.1  | 15 AWG<br>(solid)<br>.057"<br>BC<br>3.2Ω/M'<br>10.5Ω/km | .150 | 3.81 | Duobond II*<br>+ 95% TC<br>Braid<br>2.8Ω/M'<br>9.2Ω/km | .240 | 6.10 | 50 | 86% | 23.0 | 75.5 | 30   | 1.3  | 4.1  |
|                      |              |                                | 1000 | 304.8 | 44.0 | 20.0 |   |      |      |  |      |      |    |     |      |      | 50   | 1.6  | 5.3  |
|                      |              |                                |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 150  | 2.8  | 9.3  |
|                      |              |                                |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 220  | 3.4  | 11.1 |
|                      |              |                                |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 450  | 4.9  | 16.1 |
|                      |              |                                |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 900  | 7.0  | 22.9 |
|                      |              |                                |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 1500 | 9.1  | 30.0 |
|                      |              |                                |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 1800 | 10.1 | 33.2 |
|                      |              |                                |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 2000 | 10.7 | 35.0 |
|                      |              |                                |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 2500 | 12.0 | 39.5 |
|                      |              |                                |      | 3000  | 13.4 | 43.9 |   |      |      |  |      |      |    |     |      |      |      |      |      |
|                      |              |                                |      | 4500  | 16.7 | 54.7 |   |      |      |  |      |      |    |     |      |      |      |      |      |
|                      |              |                                |      | 5800  | 19.5 | 64.0 |   |      |      |  |      |      |    |     |      |      |      |      |      |
|                      |              |                                |      | 6000  | 19.8 | 65.0 |   |      |      |  |      |      |    |     |      |      |      |      |      |



100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with standard RG-8X connectors.\*\*

**Gas-injected Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket**

|                      |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      |      |      |      |
|----------------------|---------------|---|------|-------|------|------|---|------|------|--|------|------|----|-----|------|------|------|------|------|
| <b>RF240</b><br>80°C | <b>7808WB</b> | — | 500  | 152.4 | 18.0 | 8.2  | 15 AWG<br>(solid)<br>.057"<br>BC<br>3.2Ω/M'<br>10.5Ω/km | .150 | 3.81 | Duobond II*<br>+ 95% TC<br>Braid<br>2.8Ω/M'<br>9.2Ω/km | .240 | 6.10 | 50 | 86% | 23.0 | 75.5 | 30   | 1.3  | 4.1  |
|                      |               |   | 1000 | 304.8 | 39.0 | 17.7 |   |      |      |  |      |      |    |     |      |      | 50   | 1.6  | 5.3  |
|                      |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 150  | 2.8  | 9.3  |
|                      |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 220  | 3.4  | 11.1 |
|                      |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 450  | 4.9  | 16.1 |
|                      |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 900  | 7.0  | 22.9 |
|                      |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 1500 | 9.1  | 30.0 |
|                      |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 1800 | 10.1 | 33.2 |
|                      |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 2000 | 10.7 | 35.0 |
|                      |               |   |      |       |      |      |   |      |      |  |      |      |    |     |      |      | 2500 | 12.0 | 39.5 |
|                      |               |   |      | 3000  | 13.4 | 43.9 |   |      |      |  |      |      |    |     |      |      |      |      |      |
|                      |               |   |      | 4500  | 16.7 | 54.7 |   |      |      |  |      |      |    |     |      |      |      |      |      |
|                      |               |   |      | 5800  | 19.5 | 64.0 |   |      |      |  |      |      |    |     |      |      |      |      |      |
|                      |               |   |      | 6000  | 19.8 | 65.0 |   |      |      |  |      |      |    |     |      |      |      |      |      |



100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with standard RG-8X connectors.\*\*  
Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

\*\*Please consult Belden's website, [www.belden.com](http://www.belden.com), for complete listing.




# Low Loss 50 Ohm Wireless RF Transmission Cable

Intermediate Type

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Intermediate Type • 13 AWG Solid .072" Bare Copper Conductor • Duobond® II (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**

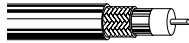
**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket**

|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      |      |      |      |
|--|-------|------|------|-------|------|------|--|------|------|--|------|------|----|-----|------|------|------|------|------|
| RF300<br>80°C  | 7809A | —    | 500  | 152.4 | 30.5 | 13.9 | 13 AWG<br>(solid)<br>.072"<br>BC<br>2.1Ω/M'<br>6.9Ω/km | .190 | 4.83 | Duobond II*<br>+ 95% TC<br>Braid<br>BC<br>2.4Ω/M'<br>7.8Ω/km | .300 | 7.62 | 50 | 86% | 23.0 | 75.5 | 30   | 1.0  | 3.4  |
|  |       |      | 1000 | 304.8 | 58.0 | 26.3 |  |      |      |  |      |      |    |     |      |      | 50   | 1.3  | 4.2  |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 150  | 2.2  | 7.3  |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 220  | 2.7  | 8.9  |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 450  | 3.9  | 12.9 |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 900  | 5.6  | 18.3 |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 1500 | 7.3  | 24.0 |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 1800 | 8.1  | 26.5 |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 2000 | 8.6  | 28.2 |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 2500 | 9.7  | 31.9 |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 3000 | 10.8 | 35.4 |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 4500 | 13.5 | 44.4 |
| 5800   | 15.8  | 51.8 |      |       |      |      |  |      |      |  |      |      |    |     |      |      |      |      |      |
| 6000   | 16.0  | 52.6 |      |       |      |      |  |      |      |  |      |      |    |     |      |      |      |      |      |

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with Land Mobile Radio type connectors.\*\*  
Suitable for Outdoor and Direct Burial applications.


**Gas-injected Foam HDPE Insulation • Black PVC Jacket**

|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      |      |      |      |
|--|-------|------|------|-------|------|------|--|------|------|--|------|------|----|-----|------|------|------|------|------|
| RF300<br>80°C  | 7809R | NEC: | 500  | 152.4 | 34.0 | 15.5 | 13 AWG<br>(solid)<br>.072"<br>BC<br>2.1Ω/M'<br>6.9Ω/km | .190 | 4.83 | Duobond II*<br>+ 95% TC<br>Braid<br>BC<br>2.4Ω/M'<br>7.8Ω/km | .300 | 7.62 | 50 | 86% | 23.0 | 75.5 | 30   | 1.0  | 3.4  |
|  |       | CMR: | 1000 | 304.8 | 65.0 | 29.5 |  |      |      |  |      |      |    |     |      |      | 50   | 1.3  | 4.2  |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 150  | 2.2  | 7.3  |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 220  | 2.7  | 8.9  |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 450  | 3.9  | 12.9 |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 900  | 5.6  | 18.3 |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 1500 | 7.3  | 24.0 |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 1800 | 8.1  | 26.5 |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 2000 | 8.6  | 28.2 |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 2500 | 9.7  | 31.9 |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 3000 | 10.8 | 35.4 |
|  |       |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 4500 | 13.5 | 44.4 |
| 5800   | 15.8  | 51.8 |      |       |      |      |  |      |      |  |      |      |    |     |      |      |      |      |      |
| 6000   | 16.0  | 52.6 |      |       |      |      |  |      |      |  |      |      |    |     |      |      |      |      |      |

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with Land Mobile Radio type connectors.\*\*

**Gas-injected Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket**

|  |        |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      |      |      |      |
|--|--------|------|------|-------|------|------|--|------|------|--|------|------|----|-----|------|------|------|------|------|
| RF300<br>80°C  | 7809WB | —    | 500  | 152.4 | 30.5 | 13.9 | 13 AWG<br>(solid)<br>.072"<br>BC<br>2.1Ω/M'<br>6.9Ω/km | .190 | 4.83 | Duobond II*<br>+ 95% TC<br>Braid<br>BC<br>2.4Ω/M'<br>7.8Ω/km | .300 | 7.62 | 50 | 86% | 23.0 | 75.5 | 30   | 1.0  | 3.4  |
|  |        |      | 1000 | 304.8 | 58.0 | 26.3 |  |      |      |  |      |      |    |     |      |      | 50   | 1.3  | 4.2  |
|  |        |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 150  | 2.2  | 7.3  |
|  |        |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 220  | 2.7  | 8.9  |
|  |        |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 450  | 3.9  | 12.9 |
|  |        |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 900  | 5.6  | 18.3 |
|  |        |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 1500 | 7.3  | 24.0 |
|  |        |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 1800 | 8.1  | 26.5 |
|  |        |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 2000 | 8.6  | 28.2 |
|  |        |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 2500 | 9.7  | 31.9 |
|  |        |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 3000 | 10.8 | 35.4 |
|  |        |      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 4500 | 13.5 | 44.4 |
| 5800   | 15.8   | 51.8 |      |       |      |      |  |      |      |  |      |      |    |     |      |      |      |      |      |
| 6000   | 16.0   | 52.6 |      |       |      |      |  |      |      |  |      |      |    |     |      |      |      |      |      |

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with Land Mobile Radio type connectors.\*\*  
Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

\*\*Please consult Belden's website, [www.belden.com](http://www.belden.com), for complete listing.


# Low Loss 50 Ohm Wireless RF Transmission Cable

RG-8 Type

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**RG-8 Type • 10 AWG Solid .108" Bare Copper-covered Aluminum Conductor • Duobond® II (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**


**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket**

|   |       |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      |      |     |      |
|---|-------|------|------|-------|------|------|---|------|------|--|------|-------|----|-----|------|------|------|-----|------|
| RF400<br>80°C   | 7810A | —    | 500  | 152.4 | 42.5 | 19.3 | 10 AWG<br>(solid)<br>.108"<br>BCCA<br>1.34Ω/M'<br>4.4Ω/km | .285 | 7.24 | Duobond II*<br>+ 95% TC<br>Braid<br>2.0Ω/M'<br>9.2Ω/km | .403 | 10.23 | 50 | 86% | 23.0 | 75.5 | 30   | .7  | 2.1  |
|   |       |      | 1000 | 304.8 | 86.0 | 39.0 |   |      |      |  |      |       |    |     |      |      | 50   | .9  | 2.8  |
|  |       |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 150  | 1.5 | 4.9  |
|   |       |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 220  | 1.8 | 6.0  |
|   |       |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 450  | 2.7 | 8.8  |
|   |       |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 900  | 3.8 | 12.6 |
|   |       |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 1500 | 5.1 | 16.6 |
|   |       |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 1800 | 5.6 | 18.5 |
|   |       |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 2000 | 6.0 | 19.6 |
|   |       |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 2500 | 6.7 | 22.0 |
|   |       |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 3000 | 7.5 | 24.4 |
|   |       |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 4500 | 9.5 | 31.1 |
| 5800  | 11.1  | 36.4 |      |       |      |      |   |      |      |  |      |       |    |     |      |      |      |     |      |
| 6000  | 11.4  | 37.3 |      |       |      |      |   |      |      |  |      |       |    |     |      |      |      |     |      |

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with 9913 and Land Mobile Radio type connectors.\*\*  
Suitable for Outdoor and Direct Burial applications.


**Gas-injected Foam HDPE Insulation • Black PVC Jacket**

|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      |      |     |      |
|---|--------|------|------|-------|------|------|---|------|------|--|------|-------|----|-----|------|------|------|-----|------|
| RF400<br>80°C   | 7810R* | NEC: | 500  | 152.4 | 47.0 | 21.3 | 10 AWG<br>(solid)<br>.108"<br>BCCA<br>1.34Ω/M'<br>4.4Ω/km | .285 | 7.24 | Duobond II*<br>+ 95% TC<br>Braid<br>2.0Ω/M'<br>9.2Ω/km | .403 | 10.23 | 50 | 86% | 23.0 | 75.5 | 30   | .7  | 2.1  |
|   |        | CMR: | 1000 | 304.8 | 79.0 | 35.8 |   |      |      |  |      |       |    |     |      |      | 50   | .9  | 2.8  |
|  |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 150  | 1.5 | 4.9  |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 220  | 1.8 | 6.0  |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 450  | 2.7 | 8.8  |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 900  | 3.8 | 12.6 |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 1500 | 5.1 | 16.6 |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 1800 | 5.6 | 18.5 |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 2000 | 6.0 | 19.6 |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 2500 | 6.7 | 22.0 |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 3000 | 7.5 | 24.4 |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 4500 | 9.5 | 31.1 |
| 5800  | 11.1   | 36.4 |      |       |      |      |   |      |      |  |      |       |    |     |      |      |      |     |      |
| 6000  | 11.4   | 37.3 |      |       |      |      |   |      |      |  |      |       |    |     |      |      |      |     |      |

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with 9913 and Land Mobile Radio type connectors.\*\*  
Suitable for Outdoor applications.

**Gas-injected Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket**

|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      |      |     |      |
|---|--------|------|------|-------|------|------|---|------|------|--|------|-------|----|-----|------|------|------|-----|------|
| RF400<br>80°C   | 7810WB | —    | 500  | 152.4 | 39.5 | 17.9 | 10 AWG<br>(solid)<br>.108"<br>BCCA<br>1.34Ω/M'<br>4.4Ω/km | .285 | 7.24 | Duobond II*<br>+ 95% TC<br>Braid<br>2.0Ω/M'<br>9.2Ω/km | .403 | 10.23 | 50 | 86% | 23.0 | 75.5 | 30   | .7  | 2.1  |
|   |        |      | 1000 | 304.8 | 80.0 | 36.3 |   |      |      |  |      |       |    |     |      |      | 50   | .9  | 2.8  |
|  |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 150  | 1.5 | 4.9  |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 220  | 1.8 | 6.0  |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 450  | 2.7 | 8.8  |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 900  | 3.8 | 12.6 |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 1500 | 5.1 | 16.6 |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 1800 | 5.6 | 18.5 |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 2000 | 6.0 | 19.6 |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 2500 | 6.7 | 22.0 |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 3000 | 7.5 | 24.4 |
|   |        |      |      |       |      |      |   |      |      |  |      |       |    |     |      |      | 4500 | 9.5 | 31.1 |
| 5800  | 11.1   | 36.4 |      |       |      |      |   |      |      |  |      |       |    |     |      |      |      |     |      |
| 6000  | 11.4   | 37.3 |      |       |      |      |   |      |      |  |      |       |    |     |      |      |      |     |      |

100% Sweep tested. 6 GHz. Max. VSWR 1.25:1.  
Belden® The Wire in Wireless.

Mates with 9913 and Land Mobile Radio type connectors.\*\*  
Suitable for Outdoor and Direct Burial applications.

BCCA = Bare Copper-covered Aluminum • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

\*\*Please consult Belden's website, [www.belden.com](http://www.belden.com), for complete listing.

# Low Loss 50 Ohm Wireless RF Transmission Cable

Series RF500

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**7 AWG Solid .142" Bare Copper-covered Aluminum Conductor • Duobond® II (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)**

| Foam HDPE Insulation • Black Polyethylene Jacket |                                    |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      |      |     |      |
|--|------------------------------------|---|------|-------|-------|------|---------------|------|------|----------------------------|------|-------|----|-----|------|------|------|-----|------|
| 80°C   | <b>7976A</b><br><small>new</small> | — | 500  | 152.4 | 56.0  | 25.4 | 7 AWG (solid) | .370 | 9.40 | Duobond II* + 90% TC Braid | .500 | 12.70 | 50 | 84% | 25.1 | 82.4 | 30   | .6  | 1.8  |
|  |                                    |   | 1000 | 304.8 | 108.0 | 49.0 | .142" BCCA    |      |      | 1.6Ω/M'                    |      |       |    |     |      |      | 50   | .7  | 2.4  |
|  |                                    |   |      |       |       |      | .8Ω/M'        |      |      | 5.3Ω/km                    |      |       |    |     |      |      | 150  | 1.2 | 3.9  |
|  |                                    |   |      |       |       |      | 2.7Ω/km       |      |      |                            |      |       |    |     |      |      | 220  | 1.5 | 4.9  |
|  |                                    |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 450  | 2.2 | 7.2  |
|  |                                    |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 900  | 3.2 | 10.5 |
|  |                                    |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 1500 | 4.2 | 13.8 |
|  |                                    |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 1800 | 4.7 | 15.4 |
|  |                                    |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 2000 | 5.0 | 16.4 |
|  |                                    |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 2500 | 5.7 | 18.7 |
|  |                                    |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 3000 | 6.3 | 20.7 |
|  |                                    |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 3500 | 6.9 | 22.6 |
|  |                                    |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 4500 | 8.0 | 26.2 |
|  |                                    |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 5800 | 9.3 | 30.5 |
|  |                                    |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 6000 | 9.5 | 31.2 |

Suitable for Outdoor applications and Aerial applications when supported by a Messenger wire.

| Foam HDPE Insulation • Black PVC Jacket |                                    |              |      |       |       |      |               |      |      |                            |      |       |    |     |      |      |      |     |      |
|---|------------------------------------|--------------|------|-------|-------|------|---------------|------|------|----------------------------|------|-------|----|-----|------|------|------|-----|------|
| 80°C                                    | <b>7976R</b><br><small>new</small> | NEC: CMR     | 500  | 152.4 | 67.5  | 30.6 | 7 AWG (solid) | .370 | 9.40 | Duobond II* + 90% TC Braid | .500 | 12.70 | 50 | 84% | 25.1 | 82.4 | 30   | .6  | 1.8  |
|   |                                    | CEC: CMG FT4 | 1000 | 304.8 | 131.0 | 59.5 | .142" BCCA    |      |      | 1.6Ω/M'                    |      |       |    |     |      |      | 50   | .7  | 2.4  |
|   |                                    |              |      |       |       |      | .8Ω/M'        |      |      | 5.3Ω/km                    |      |       |    |     |      |      | 150  | 1.2 | 3.9  |
|   |                                    |              |      |       |       |      | 2.7Ω/km       |      |      |                            |      |       |    |     |      |      | 220  | 1.5 | 4.9  |
|   |                                    |              |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 450  | 2.2 | 7.2  |
|   |                                    |              |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 900  | 3.2 | 10.5 |
|   |                                    |              |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 1500 | 4.2 | 13.8 |
|   |                                    |              |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 1800 | 4.7 | 15.4 |
|   |                                    |              |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 2000 | 5.0 | 16.4 |
|   |                                    |              |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 2500 | 5.7 | 18.7 |
|   |                                    |              |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 3000 | 6.3 | 20.7 |
|   |                                    |              |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 3500 | 6.9 | 22.6 |
|   |                                    |              |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 4500 | 8.0 | 26.2 |
|   |                                    |              |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 5800 | 9.3 | 30.5 |
|   |                                    |              |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 6000 | 9.5 | 31.2 |

Suitable for Outdoor applications and Aerial applications when supported by a Messenger wire.

| Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket |                                     |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      |      |     |      |
|--|-------------------------------------|---|------|-------|-------|------|---------------|------|------|----------------------------|------|-------|----|-----|------|------|------|-----|------|
| 80°C   | <b>7976WB</b><br><small>new</small> | — | 500  | 152.4 | 56.5  | 25.7 | 7 AWG (solid) | .370 | 9.40 | Duobond II* + 90% TC Braid | .500 | 12.70 | 50 | 84% | 25.1 | 82.4 | 30   | .6  | 1.8  |
|  |                                     |   | 1000 | 304.8 | 109.0 | 49.9 | .142" BCCA    |      |      | 1.6Ω/M'                    |      |       |    |     |      |      | 50   | .7  | 2.4  |
|  |                                     |   |      |       |       |      | .8Ω/M'        |      |      | 5.3Ω/km                    |      |       |    |     |      |      | 150  | 1.2 | 3.9  |
|  |                                     |   |      |       |       |      | 2.7Ω/km       |      |      |                            |      |       |    |     |      |      | 220  | 1.5 | 4.9  |
|  |                                     |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 450  | 2.2 | 7.2  |
|  |                                     |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 900  | 3.2 | 10.5 |
|  |                                     |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 1500 | 4.2 | 13.8 |
|  |                                     |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 1800 | 4.7 | 15.4 |
|  |                                     |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 2000 | 5.0 | 16.4 |
|  |                                     |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 2500 | 5.7 | 18.7 |
|  |                                     |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 3000 | 6.3 | 20.7 |
|  |                                     |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 3500 | 6.9 | 22.6 |
|  |                                     |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 4500 | 8.0 | 26.2 |
|  |                                     |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 5800 | 9.3 | 30.5 |
|  |                                     |   |      |       |       |      |               |      |      |                            |      |       |    |     |      |      | 6000 | 9.5 | 31.2 |

Suitable for Outdoor and Direct Burial applications and Aerial applications when supported by a Messenger wire.

BCCA = Bare Copper-covered Aluminum • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).


# Low Loss 50 Ohm Wireless RF Transmission Cable

Series RF600

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**5.5 AWG Solid .176" Bare Copper-covered Aluminum Conductor • Duobond® II (100% Coverage) + Tinned Copper Braid Shield (85% Coverage)**


**Foam HDPE Insulation • Black Polyethylene Jacket**

|  |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      |      |     |      |
|--|-----|------|-------|------|------|---|------|-------|--|------|-------|----|-----|------|------|------|-----|------|
| 80°C<br><b>7977A</b><br>new<br> | —   | 500  | 152.4 | 73.5 | 33.4 | 5.5 AWG (solid)<br>.176"<br>BCCA<br>.5Ω/M'<br>1.7Ω/km | .455 | 11.56 | Duobond II*<br>+ 85% TC<br>Braid<br>1.8Ω/M'<br>5.9Ω/km | .590 | 14.99 | 50 | 85% | 24.6 | 80.7 | 30   | .5  | 1.5  |
|  |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 50   | .6  | 2.0  |
|  |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 150  | 1.0 | 3.2  |
|  |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 220  | 1.2 | 3.9  |
|  |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 450  | 1.7 | 5.6  |
|  |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 900  | 2.5 | 8.3  |
|  |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 1500 | 3.4 | 11.2 |
|  |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 1800 | 3.8 | 12.4 |
|  |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 2000 | 4.0 | 13.2 |
|  |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 2500 | 4.6 | 15.0 |
|  |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 3000 | 5.1 | 16.6 |
|  |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 3500 | 5.6 | 18.2 |
|  |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 4500 | 6.4 | 21.1 |
| 5800   | 7.6 | 24.8 |       |      |      |   |      |       |  |      |       |    |     |      |      |      |     |      |
| 6000   | 7.8 | 25.4 |       |      |      |   |      |       |  |      |       |    |     |      |      |      |     |      |

100% Sweep tested.  
Belden® The Wire in Wireless.

Suitable for Outdoor applications and Aerial applications when supported by a Messenger wire.


**Foam HDPE Insulation • Black PVC Jacket**

|  |                                |      |       |      |      |   |      |       |  |      |       |    |     |      |      |      |     |      |
|--|--------------------------------|------|-------|------|------|---|------|-------|--|------|-------|----|-----|------|------|------|-----|------|
| 80°C<br><b>7977R</b><br>new<br> | NEC:<br>CMR<br>CEC:<br>CMG FT4 | 500  | 152.4 | 89.5 | 40.6 | 5.5 AWG (solid)<br>.176"<br>BCCA<br>.5Ω/M'<br>1.7Ω/km | .455 | 11.56 | Duobond II*<br>+ 85% TC<br>Braid<br>1.8Ω/M'<br>5.9Ω/km | .590 | 14.99 | 50 | 84% | 24.6 | 80.7 | 30   | .5  | 1.5  |
|  |                                |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 50   | .6  | 2.0  |
|  |                                |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 150  | 1.0 | 3.2  |
|  |                                |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 220  | 1.2 | 3.9  |
|  |                                |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 450  | 1.7 | 5.6  |
|  |                                |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 900  | 2.5 | 8.3  |
|  |                                |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 1500 | 3.4 | 11.2 |
|  |                                |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 1800 | 3.8 | 12.4 |
|  |                                |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 2000 | 4.0 | 13.2 |
|  |                                |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 2500 | 4.6 | 15.0 |
|  |                                |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 3000 | 5.1 | 16.6 |
|  |                                |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 3500 | 5.6 | 18.2 |
|  |                                |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 4500 | 6.4 | 21.1 |
| 5800   | 7.6                            | 24.8 |       |      |      |   |      |       |  |      |       |    |     |      |      |      |     |      |
| 6000   | 7.8                            | 25.4 |       |      |      |   |      |       |  |      |       |    |     |      |      |      |     |      |

100% Sweep tested.  
Belden® The Wire in Wireless.

Suitable for Outdoor applications and Aerial applications when supported by a Messenger wire.

**Foam HDPE Insulation • Flooded Water-resistant Black Polyethylene Jacket**

|   |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      |      |     |      |
|---|-----|------|-------|------|------|---|------|-------|--|------|-------|----|-----|------|------|------|-----|------|
| 80°C<br><b>7977WB</b><br>new<br> | —   | 500  | 152.4 | 74.0 | 33.6 | 5.5 AWG (solid)<br>.176"<br>BCCA<br>.5Ω/M'<br>1.7Ω/km | .455 | 11.56 | Duobond II*<br>+ 85% TC<br>Braid<br>1.8Ω/M'<br>5.9Ω/km | .590 | 14.99 | 50 | 85% | 24.6 | 80.7 | 30   | .5  | 1.5  |
|   |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 50   | .6  | 2.0  |
|   |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 150  | 1.0 | 3.2  |
|   |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 220  | 1.2 | 3.9  |
|   |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 450  | 1.7 | 5.6  |
|   |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 900  | 2.5 | 8.3  |
|   |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 1500 | 3.4 | 11.2 |
|   |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 1800 | 3.8 | 12.4 |
|   |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 2000 | 4.0 | 13.2 |
|   |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 2500 | 4.6 | 15.0 |
|   |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 3000 | 5.1 | 16.6 |
|   |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 3500 | 5.6 | 18.2 |
|   |     |      |       |      |      |   |      |       |  |      |       |    |     |      |      | 4500 | 6.4 | 21.1 |
| 5800  | 7.6 | 24.8 |       |      |      |   |      |       |  |      |       |    |     |      |      |      |     |      |
| 6000  | 7.8 | 25.4 |       |      |      |   |      |       |  |      |       |    |     |      |      |      |     |      |

100% Sweep tested.  
Belden® The Wire in Wireless.

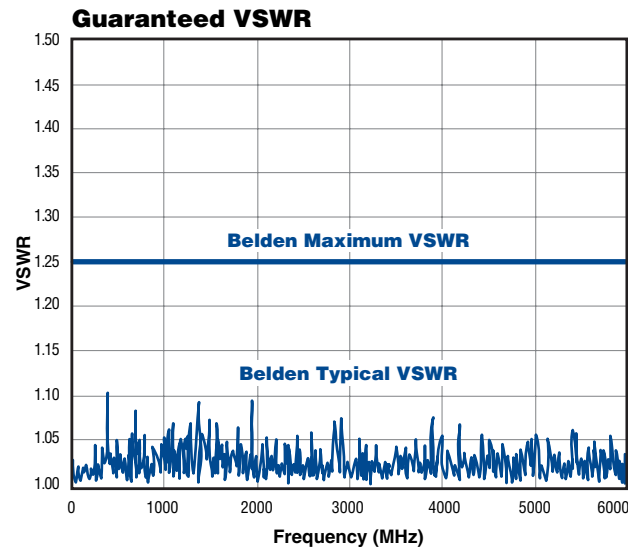
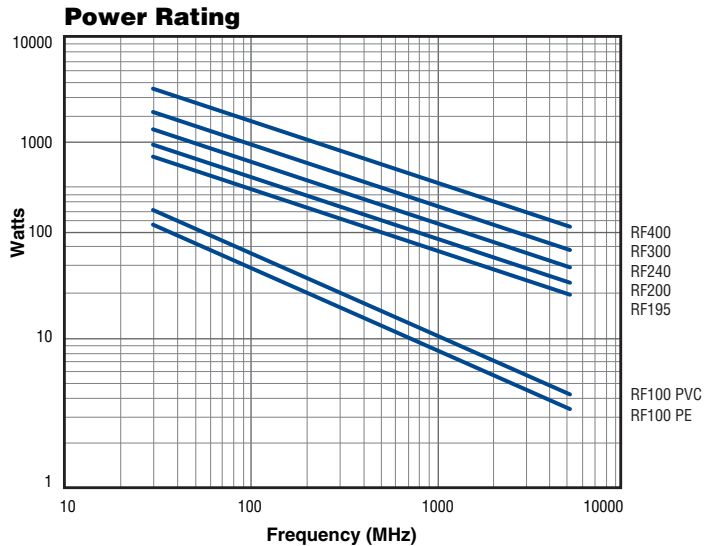
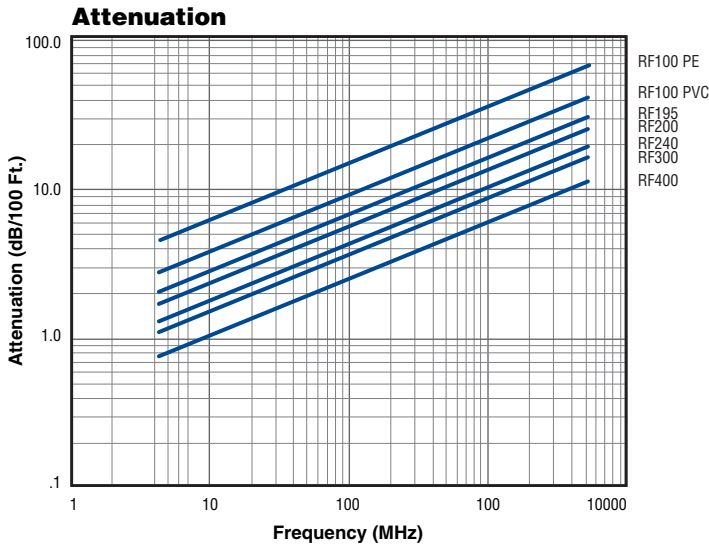
Suitable for Outdoor and Direct Burial applications and Aerial applications when supported by a Messenger wire.

BCCA = Bare Copper-covered Aluminum • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

# Low Loss 50 Ohm Wireless RF Transmission Coax

## Electrical Characteristics



Voltage Standing Wave Ratio is a measurement of the reflected power in a cable or instrument. The higher the VSWR the poorer the transmission characteristics of the cable.

### Phase Stability

| Phase Attribute | Typical Range (0.45 GHz to 6.0 GHz) |              |
|-----------------|-------------------------------------|--------------|
|                 | ppm/°C                              | Degree/GHz/m |

|  |    |      |
|--|----|------|
| Temperature (-40°C to +85°C) <sup>1</sup>  | ±9 | ±0.6 |
| Bending & Flexing (25 cycles) <sup>2</sup> | NA | ±1.1 |

1: Per IEC 60966-1 clause 8.8  
2: Per IEC 60966-1 clause 8.6

### RG Cable Replacement Guide

| Part Number | Size    | Replacing |
|-------------|---------|-----------|
| 7805        | RF100A  | RG-174/U  |
| 7805R       | RF100LL | RG-174/U  |
| 7806A       | RF195   | RG-58/U   |
| 7807A       | RF200   | RG-58/U   |
| 7808A       | RF240   | RG-8X     |
| 7809A       | RF300   | RG-8X     |
| 7810A       | RF400   | RG-8U     |

# 50 Ohm Transmission and Computer Cable

RG-188A/U, RG-174/U and RG-58/U Type

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**RG-174/U Type • 26 AWG** Stranded (7x34) .019" Bare Copper-covered Steel Conductor • Tinned Copper Braid Shield (90% Coverage)

**Polyethylene Insulation • Black PVC Jacket**

|                              |             |   |        |       |     |     |               |      |      |            |      |      |    |     |      |       |      |      |       |
|------------------------------|-------------|---|--------|-------|-----|-----|---------------|------|------|------------|------|------|----|-----|------|-------|------|------|-------|
| UL AWM Style 1354 (30V 75°C) | <b>8216</b> | — | 100    | 30.5  | 1.1 | .5  | 26 AWG (7x34) | .060 | 1.52 | TC Braid   | .110 | 2.79 | 50 | 66% | 30.8 | 101.0 | 1    | 1.9  | 6.2   |
|                              |             |   | 500    | 152.4 | 5.0 | 2.3 |               |      |      | 90% Shield |      |      |    |     |      |       | 10   | 3.3  | 10.8  |
|                              |             |   | 1000†† | 304.8 | 9.0 | 4.1 | .019"         |      |      | Coverage   |      |      |    |     |      |       | 50   | 5.8  | 19.0  |
|                              |             |   |        |       |     |     | BCCS          |      |      | 10.7Ω/M'   |      |      |    |     |      |       | 100  | 8.4  | 27.6  |
|                              |             |   |        |       |     |     | 97.0Ω/M'      |      |      | 35.1Ω/km   |      |      |    |     |      |       | 200  | 12.5 | 41.0  |
|                              |             |   |        |       |     |     | 318.2Ω/km     |      |      |            |      |      |    |     |      |       | 400  | 19.0 | 62.3  |
|                              |             |   |        |       |     |     |               |      |      |            |      |      |    |     |      |       | 700  | 27.0 | 88.6  |
|                              |             |   |        |       |     |     |               |      |      |            |      |      |    |     |      |       | 900  | 31.0 | 101.7 |
|                              |             |   |        |       |     |     |               |      |      |            |      |      |    |     |      |       | 1000 | 34.0 | 111.5 |



**RG-188A/U Type • 26 AWG** Stranded (7x34) .020" Silver-plated Copper-covered Steel Conductor • SPC Braid Shield (96% Coverage)

**TFE Teflon® Insulation • White TFE Tape Jacket**

|            |              |   |       |       |      |     |               |      |      |            |      |      |    |       |      |      |      |      |      |
|------------|--------------|---|-------|-------|------|-----|---------------|------|------|------------|------|------|----|-------|------|------|------|------|------|
| 200°C VW-1 | <b>83269</b> | — | 100†  | 30.5  | 2.0  | .9  | 26 AWG (7x34) | .058 | 1.47 | SPC Braid  | .098 | 2.49 | 50 | 69.5% | 29.0 | 95.1 | 1    | 1.2  | 3.9  |
|            |              |   | 500†  | 152.4 | 6.5  | 2.9 | .020"         |      |      | 96% Shield |      |      |    |       |      |      | 10   | 2.7  | 8.9  |
|            |              |   | 1000† | 304.8 | 12.0 | 5.5 |               |      |      | Coverage   |      |      |    |       |      |      | 50   | 5.6  | 18.4 |
|            |              |   |       |       |      |     | SCCCS         |      |      | 8.5Ω/M'    |      |      |    |       |      |      | 100  | 8.3  | 27.2 |
|            |              |   |       |       |      |     | 91.2Ω/M'      |      |      | 27.9Ω/km   |      |      |    |       |      |      | 200  | 12.0 | 39.4 |
|            |              |   |       |       |      |     | 299.2Ω/km     |      |      |            |      |      |    |       |      |      | 400  | 17.5 | 57.4 |
|            |              |   |       |       |      |     |               |      |      |            |      |      |    |       |      |      | 700  | 23.7 | 77.8 |
|            |              |   |       |       |      |     |               |      |      |            |      |      |    |       |      |      | 900  | 27.3 | 89.6 |
|            |              |   |       |       |      |     |               |      |      |            |      |      |    |       |      |      | 1000 | 29.0 | 95.1 |

MIL-C-17D

**RG-58/U Type • 20 AWG** Solid .033" Bare Copper Conductor • Bare Copper Braid Shield (78% Coverage)

**Polyethylene Insulation • Black PVC Jacket**

|      |             |   |        |         |      |      |                |      |      |            |      |      |      |     |      |      |      |      |      |
|------|-------------|---|--------|---------|------|------|----------------|------|------|------------|------|------|------|-----|------|------|------|------|------|
| 80°C | <b>9201</b> | — | U-500  | U-152.4 | 13.0 | 5.9  | 20 AWG (solid) | .116 | 2.95 | BC Braid   | .193 | 4.90 | 51.5 | 66% | 28.5 | 93.5 | 1    | .3   | 1.1  |
|      |             |   | 500    | 152.4   | 11.5 | 5.2  | .033"          |      |      | 78% Shield |      |      |      |     |      |      | 10   | 1.1  | 3.6  |
|      |             |   | U-1000 | U-304.8 | 25.0 | 11.4 |                |      |      | Coverage   |      |      |      |     |      |      | 50   | 2.5  | 8.2  |
|      |             |   | 1000   | 304.8   | 23.0 | 10.4 | BC             |      |      | 5.5Ω/M'    |      |      |      |     |      |      | 100  | 3.8  | 12.5 |
|      |             |   |        |         |      |      | 10.0Ω/M'       |      |      | 18.0Ω/km   |      |      |      |     |      |      | 200  | 5.6  | 18.4 |
|      |             |   |        |         |      |      | 33.1Ω/km       |      |      |            |      |      |      |     |      |      | 400  | 8.4  | 27.6 |
|      |             |   |        |         |      |      |                |      |      |            |      |      |      |     |      |      | 700  | 11.7 | 38.4 |
|      |             |   |        |         |      |      |                |      |      |            |      |      |      |     |      |      | 900  | 13.7 | 44.9 |
|      |             |   |        |         |      |      |                |      |      |            |      |      |      |     |      |      | 1000 | 14.5 | 47.6 |

**RG-58/U Type • 20 AWG** Solid .033" Bare Copper Conductor • Duobond® II + Tinned Copper Braid Shield (55% Coverage)

**Polyethylene Insulation • Black PVC Jacket**

|                              |               |   |        |         |      |      |                |      |      |                   |      |      |    |     |      |       |      |      |      |
|------------------------------|---------------|---|--------|---------|------|------|----------------|------|------|-------------------|------|------|----|-----|------|-------|------|------|------|
| UL AWM Style 1354 (30V 60°C) | <b>9310**</b> | — | 500    | 152.4   | 10.5 | 4.8  | 20 AWG (solid) | .114 | 2.90 | Duobond II* + 55% | .193 | 4.90 | 50 | 66% | 30.8 | 101.0 | 1    | .5   | 1.5  |
|                              |               |   | U-1000 | U-304.8 | 22.0 | 10.0 | .033"          |      |      | TC Braid          |      |      |    |     |      |       | 10   | 1.4  | 4.6  |
|                              |               |   | 1000   | 304.8   | 21.0 | 9.5  |                |      |      | Coverage          |      |      |    |     |      |       | 50   | 2.8  | 9.2  |
|                              |               |   |        |         |      |      | BC             |      |      | 8.0Ω/M'           |      |      |    |     |      |       | 100  | 3.8  | 12.5 |
|                              |               |   |        |         |      |      | 9.4Ω/M'        |      |      | 24.4Ω/km          |      |      |    |     |      |       | 200  | 5.4  | 17.7 |
|                              |               |   |        |         |      |      | 28.6Ω/km       |      |      |                   |      |      |    |     |      |       | 400  | 7.9  | 25.9 |
|                              |               |   |        |         |      |      |                |      |      |                   |      |      |    |     |      |       | 700  | 11.1 | 36.4 |
|                              |               |   |        |         |      |      |                |      |      |                   |      |      |    |     |      |       | 900  | 12.8 | 42.0 |
|                              |               |   |        |         |      |      |                |      |      |                   |      |      |    |     |      |       | 1000 | 13.9 | 45.6 |

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • SCCCS = Silver-coated Copper-covered Steel • SPC = Silver-plated Copper • TC = Tinned Copper • TFE = Tetra Fluoroethylene  
 Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

\*\*See Belden's website, [www.belden.com](http://www.belden.com), for connector information.

† May contain more than one piece, min. length of any one piece is 25 ft.

†† May contain more than one piece, min. length of any one piece is 100 ft. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)

# 50 Ohm Transmission and Computer Cable

## RG-58A/U Type

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor<br>(stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding<br>Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp.<br>(Ω) | Nom. Vel.<br>of Prop. | Nominal Capacitance |      | Nominal Attenuation |                |             |
|-------------|----------|------------------------------|------------------|---|----------------------|----|--|-----------------|----|------------------------------------|------------|----|------------------|-----------------------|---------------------|------|---------------------|----------------|-------------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |  | Inch            | mm |                                    | Inch       | mm |                  |                       | pF/Ft.              | pF/m | MHz                 | dB/<br>100 Ft. | dB/<br>100m |

### RG-58A/U Type • 20 AWG Stranded (19x32) .037" Tinned Copper Conductor • Tinned Copper Braid Shield (96% Coverage)

| Foam Polyethylene Insulation • Black or White PVC Jacket |      |      |                     |         |      |      |         |      |          |            |      |      |      |     |      |      |      |      |      |
|--|------|------|---------------------|---------|------|------|---------|------|----------|------------|------|------|------|-----|------|------|------|------|------|
| UL AWM   | 8219 | NEC: | U-500               | U-152.4 | 13.5 | 6.1  | 20 AWG  | .114 | 2.90     | TC Braid   | .194 | 4.93 | 53.5 | 73% | 26.5 | 86.9 | 1    | .4   | 1.2  |
| Style 1354   |      | CM   | 500 <sup>▲</sup>    | 152.4   | 13.0 | 6.0  | (19x32) |      |          | 96% Shield |      |      |      |     |      |      | 10   | 1.3  | 4.3  |
| (30V 80°C)   |      | CEC: | U-1000 <sup>▲</sup> | U-304.8 | 27.0 | 12.3 | .037"   |      |          | Coverage   |      |      |      |     |      |      | 50   | 3.1  | 10.2 |
|  |      | CM   | 1000                | 304.8   | 26.0 | 11.8 | TC      |      |          | 4.1Ω/M'    |      |      |      |     |      |      | 100  | 4.5  | 14.8 |
|  |      |      |                     |         |      |      |         |      | 8.8Ω/M'  |            |      |      |      |     |      |      | 200  | 6.6  | 21.7 |
|  |      |      |                     |         |      |      |         |      | 28.9Ω/km |            |      |      |      |     |      |      | 400  | 10.0 | 32.8 |
|  |      |      |                     |         |      |      |         |      |          |            |      |      |      |     |      |      | 700  | 14.2 | 46.6 |
|  |      |      |                     |         |      |      |         |      |          |            |      |      |      |     |      |      | 900  | 16.6 | 54.5 |
|  |      |      |                     |         |      |      |         |      |          |            |      |      |      |     |      |      | 1000 | 18.1 | 59.4 |

P-MSHA • SC-182/5\*\*

\*500 ft. and U-1000 ft. put-ups available in Black only. Black jacket suitable for Aerial (when supported by a messenger) and Outdoor applications.

### RG-58A/U Type • 20 AWG Stranded (19x32) .037" Tinned Copper Conductor • Duobond® II\* + Tinned Copper Braid Shield (55% Coverage)

| Foam Polyethylene Insulation • Black PVC Jacket |        |      |        |         |      |      |         |      |          |             |      |      |    |     |      |      |      |      |      |
|---|--------|------|--------|---------|------|------|---------|------|----------|-------------|------|------|----|-----|------|------|------|------|------|
| UL AWM  | 9311** | NEC: | 500    | 152.4   | 10.5 | 4.8  | 20 AWG  | .114 | 2.90     | Duobond II* | .193 | 4.90 | 52 | 75% | 26.0 | 85.3 | 1    | .5   | 1.6  |
| Style 1354                                      |        | CM   | U-1000 | U-304.8 | 23.0 | 10.5 | (19x32) |      |          | + 55% TC    |      |      |    |     |      |      | 10   | 1.5  | 4.9  |
| (30V 80°C)                                      |        | CEC: | 1000   | 304.8   | 21.0 | 9.5  | .037"   |      |          | Braid       |      |      |    |     |      |      | 50   | 2.9  | 9.5  |
|   |        | CM   |        |         |      |      | TC      |      |          | 17.0Ω/M'    |      |      |    |     |      |      | 100  | 4.0  | 13.1 |
|   |        |      |        |         |      |      |         |      | 8.8Ω/M'  |             |      |      |    |     |      |      | 200  | 5.7  | 18.7 |
|   |        |      |        |         |      |      |         |      | 28.9Ω/km |             |      |      |    |     |      |      | 400  | 8.5  | 27.9 |
|   |        |      |        |         |      |      |         |      |          |             |      |      |    |     |      |      | 700  | 12.2 | 40.0 |
|   |        |      |        |         |      |      |         |      |          |             |      |      |    |     |      |      | 900  | 14.5 | 47.6 |
|   |        |      |        |         |      |      |         |      |          |             |      |      |    |     |      |      | 1000 | 15.8 | 51.8 |

### RG-58A/U Type • 20 AWG Stranded (19x33) .035" Tinned Copper Conductor • Tinned Copper Braid Shield (95% Coverage)

| Polyethylene Insulation • Black PVC Jacket |      |   |        |         |      |      |          |      |      |            |      |      |    |     |      |       |      |      |      |
|--|------|---|--------|---------|------|------|----------|------|------|------------|------|------|----|-----|------|-------|------|------|------|
| 75°C                                       | 8259 | — | 100    | 30.5    | 3.5  | 1.6  | 20 AWG   | .116 | 2.95 | TC Braid   | .192 | 4.88 | 50 | 66% | 30.8 | 101.0 | 1    | .4   | 1.4  |
|  |      |   | U-500  | U-152.4 | 13.5 | 6.1  | (19x33)  |      |      | 95% Shield |      |      |    |     |      |       | 10   | 1.5  | 4.9  |
|  |      |   | 500    | 152.4   | 13.5 | 6.1  | .035"    |      |      | Coverage   |      |      |    |     |      |       | 50   | 3.7  | 12.1 |
|  |      |   | U-1000 | U-304.8 | 25.0 | 11.3 | TC       |      |      | 4.1Ω/M'    |      |      |    |     |      |       | 100  | 5.4  | 17.7 |
|  |      |   | 1000   | 304.8   | 26.0 | 11.8 | 10.8Ω/M' |      |      | 13.4Ω/km   |      |      |    |     |      |       | 200  | 8.1  | 26.6 |
|  |      |   |        |         |      |      | 35.4Ω/km |      |      |            |      |      |    |     |      |       | 400  | 12.4 | 40.7 |
|  |      |   |        |         |      |      |          |      |      |            |      |      |    |     |      |       | 700  | 17.7 | 58.1 |
|  |      |   |        |         |      |      |          |      |      |            |      |      |    |     |      |       | 900  | 21.1 | 69.2 |
|  |      |   |        |         |      |      |          |      |      |            |      |      |    |     |      |       | 1000 | 22.8 | 74.8 |

Suitable for Aerial (when supported by a messenger) and Outdoor applications.

### RG-58A/U Type • 20 AWG Solid Bare Copper Conductor • Tinned Copper Braid Shield (95% Coverage)

| Polyethylene Insulation • Black PVC Jacket |      |      |        |         |      |      |          |      |      |            |      |      |      |     |      |      |      |      |      |
|--|------|------|--------|---------|------|------|----------|------|------|------------|------|------|------|-----|------|------|------|------|------|
| UL AWM                                     | 8240 | NEC: | 100    | 30.5    | 3.6  | 1.6  | 20 AWG   | .116 | 2.95 | TC Braid   | .193 | 4.90 | 51.5 | 66% | 28.5 | 93.5 | 1    | .3   | 1.1  |
| Style 1354                                 |      | CMX  | U-500  | U-152.4 | 14.0 | 6.4  | (solid)  |      |      | 95% Shield |      |      |      |     |      |      | 10   | 1.1  | 3.6  |
| (30V 80°C)                                 |      | CEC: | 500    | 152.4   | 13.0 | 5.9  | .033"    |      |      | Coverage   |      |      |      |     |      |      | 50   | 2.5  | 8.2  |
| VW-1                                       |      | CMX  | U-1000 | U-304.8 | 27.0 | 12.3 | BC       |      |      | 4.1Ω/M'    |      |      |      |     |      |      | 100  | 3.8  | 12.5 |
|  |      |      | 1000   | 304.8   | 26.0 | 11.8 | 10.0Ω/M' |      |      | 13.4Ω/km   |      |      |      |     |      |      | 200  | 5.6  | 18.4 |
|  |      |      |        |         |      |      | 32.8Ω/km |      |      |            |      |      |      |     |      |      | 400  | 8.4  | 27.6 |
|  |      |      |        |         |      |      |          |      |      |            |      |      |      |     |      |      | 700  | 11.7 | 38.4 |
|  |      |      |        |         |      |      |          |      |      |            |      |      |      |     |      |      | 900  | 13.7 | 44.9 |
|  |      |      |        |         |      |      |          |      |      |            |      |      |      |     |      |      | 1000 | 14.5 | 47.6 |

Suitable for Aerial (when supported by a messenger) and Outdoor applications.

| Plenum • FEP Teflon® Insulation • Black FEP Teflon Jacket |       |         |                   |       |      |      |          |      |      |            |      |      |      |       |      |      |      |      |      |
|---|-------|---------|-------------------|-------|------|------|----------|------|------|------------|------|------|------|-------|------|------|------|------|------|
| 200°C   | 88240 | NEC:    | 500 <sup>†</sup>  | 152.4 | 12.0 | 5.4  | 20 AWG   | .107 | 2.72 | TC Braid   | .159 | 4.04 | 53.5 | 69.5% | 26.4 | 86.6 | 1    | .5   | 1.6  |
|   |       | CMP     | 1000 <sup>†</sup> | 304.8 | 24.0 | 10.9 | (solid)  |      |      | 95% Shield |      |      |      |       |      |      | 10   | 1.2  | 3.9  |
|   |       | CEC:    |                   |       |      |      | .032"    |      |      | Coverage   |      |      |      |       |      |      | 50   | 3.0  | 9.8  |
|   |       | CMP FT6 |                   |       |      |      | BC       |      |      | 6.7Ω/M'    |      |      |      |       |      |      | 100  | 4.3  | 14.2 |
|   |       |         |                   |       |      |      | 10.2Ω/M' |      |      | 22.0Ω/km   |      |      |      |       |      |      | 200  | 6.4  | 21.0 |
|   |       |         |                   |       |      |      | 33.5Ω/km |      |      |            |      |      |      |       |      |      | 400  | 9.7  | 31.7 |
|   |       |         |                   |       |      |      |          |      |      |            |      |      |      |       |      |      | 700  | 13.7 | 45.0 |
|   |       |         |                   |       |      |      |          |      |      |            |      |      |      |       |      |      | 900  | 16.1 | 52.8 |
|   |       |         |                   |       |      |      |          |      |      |            |      |      |      |       |      |      | 1000 | 17.3 | 56.6 |

| Plenum • FEP Teflon Insulation • Natural Flamarrest® Jacket |       |         |                     |         |      |      |          |      |      |            |      |      |      |       |      |      |      |      |      |
|---|-------|---------|---------------------|---------|------|------|----------|------|------|------------|------|------|------|-------|------|------|------|------|------|
| 75°C  | 82240 | NEC:    | U-500 <sup>†</sup>  | U-152.4 | 13.5 | 6.1  | 20 AWG   | .107 | 2.72 | TC Braid   | .159 | 4.04 | 53.5 | 69.5% | 26.4 | 86.6 | 1    | .5   | 1.6  |
|   |       | CMP     | U-1000 <sup>†</sup> | U-304.8 | 26.0 | 11.8 | (solid)  |      |      | 95% Shield |      |      |      |       |      |      | 10   | 1.2  | 3.9  |
|   |       | CEC:    | 1000 <sup>†</sup>   | 304.8   | 24.0 | 10.9 | .032"    |      |      | Coverage   |      |      |      |       |      |      | 50   | 3.0  | 9.8  |
|   |       | CMP FT6 |                     |         |      |      | BC       |      |      | 6.7Ω/M'    |      |      |      |       |      |      | 100  | 4.3  | 14.2 |
|   |       |         |                     |         |      |      | 10.2Ω/M' |      |      | 22.0Ω/km   |      |      |      |       |      |      | 200  | 6.4  | 21.0 |
|   |       |         |                     |         |      |      | 33.5Ω/km |      |      |            |      |      |      |       |      |      | 400  | 9.7  | 31.7 |
|   |       |         |                     |         |      |      |          |      |      |            |      |      |      |       |      |      | 700  | 13.7 | 45.0 |
|   |       |         |                     |         |      |      |          |      |      |            |      |      |      |       |      |      | 900  | 16.1 | 52.8 |
|   |       |         |                     |         |      |      |          |      |      |            |      |      |      |       |      |      | 1000 | 17.3 | 56.6 |

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

\*\*Pennsylvania Department of Environmental Resource and United States Mine Safety and Health Administration certification.

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotation of RG/U cables not listed.

See Belden's website, [www.belden.com](http://www.belden.com), for connector information.

Teflon is a DuPont trademark.





# 50 Ohm Transmission and Computer Cable

## RG-8X and RG-8/U Type

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**RG-8X Type • 16 AWG** Stranded (19x29) .058" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)

**Gas-injected FPE Insulation • Black PVC Jacket**

|            |             |      |        |         |      |          |         |      |      |            |      |      |    |     |      |      |      |      |      |
|------------|-------------|------|--------|---------|------|----------|---------|------|------|------------|------|------|----|-----|------|------|------|------|------|
| UL AWM     | <b>9258</b> | NEC: | U-500  | U-152.4 | 20.0 | 9.1      | 16 AWG  | .155 | 3.94 | BC Braid   | .242 | 6.15 | 50 | 82% | 24.8 | 75.6 | 1    | .3   | 1.0  |
| Style 1354 |             | CM   | 500    | 152.4   | 18.5 | 8.4      | (19x29) |      |      | 95% Shield |      |      |    |     |      |      | 10   | .9   | 3.0  |
| (30V 80°C) |             | CEC: | U-1000 | U-304.8 | 39.0 | 17.7     | .058"   |      |      | Coverage   |      |      |    |     |      |      | 50   | 2.1  | 6.9  |
|            |             | CM   | 1000   | 304.8   | 40.0 | 18.2     | BC      |      |      | 3.3Ω/M'    |      |      |    |     |      |      | 100  | 3.1  | 10.2 |
|            |             |      |        |         |      |          | 4.3Ω/M' |      |      | 10.8Ω/km   |      |      |    |     |      |      | 200  | 4.5  | 14.8 |
|            |             |      |        |         |      | 14.1Ω/km |         |      |      |            |      |      |    |     |      | 400  | 6.6  | 21.7 |      |
|            |             |      |        |         |      |          |         |      |      |            |      |      |    |     |      | 700  | 9.1  | 29.9 |      |
|            |             |      |        |         |      |          |         |      |      |            |      |      |    |     |      | 900  | 10.7 | 35.1 |      |
|            |             |      |        |         |      |          |         |      |      |            |      |      |    |     |      | 1000 | 11.2 | 36.7 |      |

\*1000 ft. put-up also available in White.  
Suitable for Outdoor and Aerial applications.

**RG-8/U Type • 13 AWG** Stranded (7x21) .085" Bare Copper Conductor • Bare Copper Braid Shield (97% Coverage)

**Polyethylene Insulation • Black PVC Jacket**

|      |             |         |      |       |       |         |         |      |      |            |      |       |    |     |      |      |      |      |     |
|------|-------------|---------|------|-------|-------|---------|---------|------|------|------------|------|-------|----|-----|------|------|------|------|-----|
| 75°C | <b>8237</b> | NEC:    | 100  | 30.5  | 13.6  | 6.2     | 13 AWG  | .285 | 7.24 | BC Braid   | .405 | 10.29 | 52 | 66% | 28.5 | 93.5 | 1    | .2   | .5  |
|      |             | CMH     | 500  | 152.4 | 58.0  | 26.3    | (7x21)  |      |      | 97% Shield |      |       |    |     |      |      | 10   | .6   | 1.8 |
|      |             | CEC:    | 1000 | 304.8 | 114.0 | 51.7    | .085"   |      |      | Coverage   |      |       |    |     |      |      | 50   | 1.3  | 4.3 |
|      |             | CMH FT1 |      |       |       |         | BC      |      |      | 1.2Ω/M'    |      |       |    |     |      |      | 100  | 1.9  | 6.2 |
|      |             |         |      |       |       |         | 1.9Ω/M' |      |      | 3.9Ω/km    |      |       |    |     |      |      | 200  | 2.8  | 9.2 |
|      |             |         |      |       |       | 6.2Ω/km |         |      |      |            |      |       |    |     |      | 400  | 4.2  | 13.8 |     |
|      |             |         |      |       |       |         |         |      |      |            |      |       |    |     |      | 700  | 5.9  | 19.4 |     |
|      |             |         |      |       |       |         |         |      |      |            |      |       |    |     |      | 900  | 6.9  | 22.6 |     |
|      |             |         |      |       |       |         |         |      |      |            |      |       |    |     |      | 1000 | 7.4  | 24.3 |     |
|      |             |         |      |       |       |         |         |      |      |            |      |       |    |     |      | 4000 | 23.2 | 76.1 |     |

JAN-C-17A  
Suitable for Outdoor and Aerial applications.

**Polyethylene Insulation • Black Non-contaminating PVC Jacket**

|            |             |      |      |       |       |         |         |      |      |            |      |       |    |     |      |      |      |      |     |
|------------|-------------|------|------|-------|-------|---------|---------|------|------|------------|------|-------|----|-----|------|------|------|------|-----|
| UL AWM     | <b>9251</b> | NEC: | 500  | 152.4 | 58.0  | 26.3    | 13 AWG  | .285 | 7.24 | BC Braid   | .405 | 10.29 | 52 | 66% | 28.5 | 93.5 | 1    | .2   | .5  |
| Style 1354 |             | CMX  | 1000 | 304.8 | 115.0 | 52.3    | (7x21)  |      |      | 97% Shield |      |       |    |     |      |      | 10   | .6   | 1.8 |
| (30V 60°C) |             | CEC: |      |       |       |         | .085"   |      |      | Coverage   |      |       |    |     |      |      | 50   | 1.3  | 4.3 |
|            |             | CMX  |      |       |       |         | BC      |      |      | 1.2Ω/M'    |      |       |    |     |      |      | 100  | 1.9  | 6.2 |
|            |             |      |      |       |       |         | 1.9Ω/M' |      |      | 3.9Ω/km    |      |       |    |     |      |      | 200  | 2.8  | 9.2 |
|            |             |      |      |       |       | 6.2Ω/km |         |      |      |            |      |       |    |     |      | 400  | 4.2  | 13.8 |     |
|            |             |      |      |       |       |         |         |      |      |            |      |       |    |     |      | 700  | 5.9  | 19.4 |     |
|            |             |      |      |       |       |         |         |      |      |            |      |       |    |     |      | 900  | 6.9  | 22.6 |     |
|            |             |      |      |       |       |         |         |      |      |            |      |       |    |     |      | 1000 | 7.4  | 24.3 |     |
|            |             |      |      |       |       |         |         |      |      |            |      |       |    |     |      | 4000 | 23.2 | 76.1 |     |

MIL-C-17D

**RG-8/U Type • 11 AWG** Stranded (7x19) .108" Bare Copper Conductor • Bare Copper Braid Shield (97% Coverage)

**Foam Polyethylene Insulation • Black PVC Jacket**

|            |             |      |      |       |       |         |         |      |      |            |      |       |    |     |    |      |      |      |     |
|------------|-------------|------|------|-------|-------|---------|---------|------|------|------------|------|-------|----|-----|----|------|------|------|-----|
| UL AWM     | <b>8214</b> | NEC: | 100  | 30.5  | 14.2  | 6.5     | 11 AWG  | .285 | 7.24 | BC Braid   | .403 | 10.24 | 50 | 78% | 26 | 85.3 | 1    | .1   | .5  |
| Style 1354 |             | CM   | 500  | 152.4 | 61.0  | 27.7    | (7x19)  |      |      | 97% Shield |      |       |    |     |    |      | 10   | .5   | 1.7 |
| (30V 80°C) |             | CEC: | 1000 | 304.8 | 121.0 | 55.0    | .108"   |      |      | Coverage   |      |       |    |     |    |      | 50   | 1.2  | 3.9 |
|            |             | CM   |      |       |       |         | BC      |      |      | 1.1Ω/M'    |      |       |    |     |    |      | 100  | 1.7  | 5.6 |
|            |             |      |      |       |       |         | 1.2Ω/M' |      |      | 3.6Ω/km    |      |       |    |     |    |      | 200  | 2.6  | 8.5 |
|            |             |      |      |       |       | 3.9Ω/km |         |      |      |            |      |       |    |     |    | 400  | 3.9  | 12.8 |     |
|            |             |      |      |       |       |         |         |      |      |            |      |       |    |     |    | 700  | 5.6  | 18.4 |     |
|            |             |      |      |       |       |         |         |      |      |            |      |       |    |     |    | 900  | 6.5  | 21.3 |     |
|            |             |      |      |       |       |         |         |      |      |            |      |       |    |     |    | 1000 | 7.0  | 23.0 |     |
|            |             |      |      |       |       |         |         |      |      |            |      |       |    |     |    | 4000 | 21.5 | 70.5 |     |

Suitable for Outdoor and Aerial applications.

BC = Bare Copper • DCR = DC Resistance • FPE = Foam Polyethylene • HDPE = High-density Polyethylene • TC = Tinned Copper


Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of RG/U cables not listed.

# 50 Ohm Transmission and Computer Cable


## RG-8/U Type

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                        | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

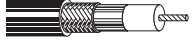
**RG-8/U Type • 10 AWG Solid .108" Bare Copper Conductor • Duobond® II + Tinned Copper Braid Shield (90% Coverage)**

| <b>Semi-solid Polyethylene Insulation • Black PVC Jacket</b> |             |   |  |       |       |       |         |         |      |             |         |       |    |     |      |      |   |      |     |      |     |     |     |
|--|-------------|---|--|-------|-------|-------|---------|---------|------|-------------|---------|-------|----|-----|------|------|---|------|-----|------|-----|-----|-----|
| <b>Low Loss</b><br>80°C                                      | <b>9913</b> | — | 100  | 30.5  | 14.2  | 6.4   | 10 AWG  | .286    | 7.26 | Duobond II* | .405    | 10.29 | 50 | 84% | 24.6 | 80.7 | 1 | .3   | 1.0 |      |     |     |     |
|  |             |   | 250  | 76.2  | 31.8  | 14.4  | (solid) |         |      | + 90%       |         |       |    |     |      |      |   | 10   | .5  | 1.7  |     |     |     |
|  |             |   | 500  | 152.4 | 57.0  | 25.9  | .108"   |         |      | TC Braid    |         |       |    |     |      |      |   |      | 50  | 1.0  | 3.3 |     |     |
|  |             |   |  | 1000  | 304.8 | 116.0 | 52.6    | BC      |      |             | 1.8Ω/M' |       |    |     |      |      |   |      |     | 100  | 1.4 | 4.6 |     |
|  |             |   |  |       |       |       |         | .9Ω/M'  |      |             | 5.9Ω/km |       |    |     |      |      |   |      |     |      | 200 | 1.8 | 6.0 |
|  |             |   |  |       |       |       |         | 3.0Ω/km |      |             |         |       |    |     |      |      |   |      |     |      | 400 | 2.6 | 8.5 |
|  |             |   |  |       |       |       |         |         |      |             |         |       |    |     |      |      |   | 700  | 3.6 | 11.8 |     |     |     |
|  |             |   |  |       |       |       |         |         |      |             |         |       |    |     |      |      |   | 900  | 4.1 | 13.5 |     |     |     |
|  |             |   |  |       |       |       |         |         |      |             |         |       |    |     |      |      |   | 1000 | 4.4 | 14.4 |     |     |     |
|  |             |   |  |       |       |       |         |         |      |             |         |       |    |     |      |      |   | 4000 | 9.5 | 31.1 |     |     |     |

Suitable for Outdoor and Aerial applications.


| <b>Plenum • Semi-solid FEP Insulation • Black Fluorocopolymer Jacket</b> |              |                                |  |       |       |      |         |         |      |             |         |      |    |     |      |      |   |      |      |      |     |     |      |
|--|--------------|--------------------------------|--|-------|-------|------|---------|---------|------|-------------|---------|------|----|-----|------|------|---|------|------|------|-----|-----|------|
| <b>150°C</b>   | <b>89913</b> | NEC:<br>CMP<br>CEC:<br>CMP FT6 | 500†   | 152.4 | 63.0  | 28.6 | 10 AWG  | .295    | 7.49 | Duobond II* | .364    | 9.25 | 50 | 83% | 25.0 | 82.0 | 1 | .1   | .3   |      |     |     |      |
|  |              |                                | 1000†  | 304.8 | 128.0 | 58.2 | (solid) |         |      | + 90%       |         |      |    |     |      |      |   |      | 10   | .4   | 1.3 |     |      |
|  |              |                                |  |       |       |      | .108"   |         |      | TC Braid    |         |      |    |     |      |      |   |      |      | 50   | 1.0 | 3.3 |      |
|  |              |                                |  |       |       |      | BC      |         |      | 1.8Ω/M'     |         |      |    |     |      |      |   |      |      | 100  | 1.6 | 5.2 |      |
|  |              |                                |  |       |       |      |         | .9Ω/M'  |      |             | 5.9Ω/km |      |    |     |      |      |   |      |      |      | 200 | 2.3 | 7.5  |
|  |              |                                |  |       |       |      |         | 3.0Ω/km |      |             |         |      |    |     |      |      |   |      |      |      | 400 | 3.4 | 11.1 |
|  |              |                                |  |       |       |      |         |         |      |             |         |      |    |     |      |      |   | 700  | 5.0  | 16.4 |     |     |      |
|  |              |                                |  |       |       |      |         |         |      |             |         |      |    |     |      |      |   | 900  | 6.0  | 19.7 |     |     |      |
|  |              |                                |  |       |       |      |         |         |      |             |         |      |    |     |      |      |   | 1000 | 6.9  | 22.6 |     |     |      |
|  |              |                                |  |       |       |      |         |         |      |             |         |      |    |     |      |      |   | 4000 | 17.0 | 55.8 |     |     |      |

**RG-8/U Type • 10 AWG Stranded (7x19) .108" Bare Copper Conductor • Duobond II + Tinned Copper Braid Shield (95% Coverage)**

| <b>Gas-injected Foam HDPE Insulation • Matte Black Belflex® Jacket</b> |               |   |  |       |       |       |        |         |      |             |         |       |    |     |      |      |   |      |      |      |     |     |     |
|--|---------------|---|--|-------|-------|-------|--------|---------|------|-------------|---------|-------|----|-----|------|------|---|------|------|------|-----|-----|-----|
| <b>Low Loss</b><br>High-Flex<br>80°C                                   | <b>9913F7</b> | — | 100  | 30.5  | 12.5  | 5.7   | 10 AWG | .285    | 7.24 | Duobond II* | .405    | 10.29 | 52 | 85% | 22.5 | 80.7 | 1 | .4   | 1.3  |      |     |     |     |
|  |               |   | 250  | 76.2  | 27.8  | 12.6  | (7x19) |         |      | + 95% TC    |         |       |    |     |      |      |   |      | 10   | .6   | 2.0 |     |     |
|  |               |   | 500  | 152.4 | 52.5  | 23.8  | .108"  |         |      | Braid       |         |       |    |     |      |      |   |      |      | 50   | 1.1 | 3.6 |     |
|  |               |   |  | 1000  | 304.8 | 104.0 | 47.2   | BC      |      |             | 1.8Ω/M' |       |    |     |      |      |   |      |      | 100  | 1.5 | 4.9 |     |
|  |               |   |  |       |       |       |        | 1.1Ω/M' |      |             | 5.9Ω/km |       |    |     |      |      |   |      |      |      | 200 | 2.0 | 6.6 |
|  |               |   |  |       |       |       |        | 3.7Ω/km |      |             |         |       |    |     |      |      |   |      |      |      | 400 | 3.0 | 9.8 |
|  |               |   |  |       |       |       |        |         |      |             |         |       |    |     |      |      |   | 700  | 4.0  | 13.1 |     |     |     |
|  |               |   |  |       |       |       |        |         |      |             |         |       |    |     |      |      |   | 900  | 4.7  | 15.4 |     |     |     |
|  |               |   |  |       |       |       |        |         |      |             |         |       |    |     |      |      |   | 1000 | 5.0  | 16.4 |     |     |     |
|  |               |   |  |       |       |       |        |         |      |             |         |       |    |     |      |      |   | 4000 | 12.1 | 39.7 |     |     |     |


Suitable for Outdoor and Aerial applications.

**RG-8/U Type • 10 AWG Solid .103" Bare Copper Conductor • Duobond II + Tinned Copper Braid Shield (95% Coverage)**

| <b>Gas-injected Foam HDPE Insulation • Black PVC Jacket</b> |             |                                |  |       |       |      |         |         |      |             |         |       |    |     |      |      |   |      |     |      |     |     |     |
|---|-------------|--------------------------------|--|-------|-------|------|---------|---------|------|-------------|---------|-------|----|-----|------|------|---|------|-----|------|-----|-----|-----|
| <b>Low Loss</b><br>UL AWM<br>Style 1354<br>(30V 80°C)       | <b>9914</b> | NEC:<br>CMG<br>CEC:<br>CMG FT4 | 500  | 152.4 | 56.0  | 25.4 | 10 AWG  | .285    | 7.24 | Duobond II* | .403    | 10.24 | 50 | 82% | 24.8 | 81.4 | 1 | .4   | 1.3 |      |     |     |     |
|   |             |                                | 1000   | 304.8 | 114.0 | 51.7 | (solid) |         |      | + 95%       |         |       |    |     |      |      |   |      | 10  | .5   | 1.7 |     |     |
|   |             |                                |  |       |       |      | .103"   |         |      | TC Braid    |         |       |    |     |      |      |   |      |     | 50   | 1.0 | 3.3 |     |
|   |             |                                |  |       |       |      | BC      |         |      | 1.1Ω/M'     |         |       |    |     |      |      |   |      |     | 100  | 1.4 | 4.6 |     |
|   |             |                                |  |       |       |      |         | 1.8Ω/M' |      |             | 3.6Ω/km |       |    |     |      |      |   |      |     |      | 200 | 1.8 | 6.0 |
|   |             |                                |  |       |       |      |         | 3.9Ω/km |      |             |         |       |    |     |      |      |   |      |     |      | 400 | 2.6 | 8.5 |
|   |             |                                |  |       |       |      |         |         |      |             |         |       |    |     |      |      |   | 700  | 3.6 | 11.8 |     |     |     |
|   |             |                                |  |       |       |      |         |         |      |             |         |       |    |     |      |      |   | 900  | 4.1 | 13.5 |     |     |     |
|   |             |                                |  |       |       |      |         |         |      |             |         |       |    |     |      |      |   | 1000 | 4.4 | 14.4 |     |     |     |
|   |             |                                |  |       |       |      |         |         |      |             |         |       |    |     |      |      |   | 4000 | 9.9 | 32.5 |     |     |     |

Suitable for Outdoor and Aerial applications.

**RG-8/U Type • 10 AWG Solid .108" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)**

| <b>Plenum • Foam FEP Insulation • Black Fluorocopolymer Jacket</b> |              |                                |  |       |       |      |         |         |      |          |         |      |    |     |      |      |   |      |      |      |     |     |      |
|--|--------------|--------------------------------|--|-------|-------|------|---------|---------|------|----------|---------|------|----|-----|------|------|---|------|------|------|-----|-----|------|
| <b>Low Loss</b><br>125°C   | <b>7733A</b> | NEC:<br>CMP<br>CEC:<br>CMP FT6 | 500  | 152.4 | 53.5  | 24.3 | 10 AWG  | .280    | 7.11 | Duofoil  | .355    | 9.01 | 50 | 84% | 24.2 | 79.4 | 1 | .1   | .3   |      |     |     |      |
|  |              |                                | 1000   | 304.8 | 105.0 | 47.7 | (solid) |         |      | + 90%    |         |      |    |     |      |      |   |      | 10   | .4   | 1.3 |     |      |
|  |              |                                |  |       |       |      | .108"   |         |      | TC Braid |         |      |    |     |      |      |   |      |      | 50   | 1.1 | 3.6 |      |
|  |              |                                |  |       |       |      | BC      |         |      | 1.8Ω/M'  |         |      |    |     |      |      |   |      |      | 100  | 1.5 | 4.9 |      |
|  |              |                                |  |       |       |      |         | .9Ω/M'  |      |          | 5.9Ω/km |      |    |     |      |      |   |      |      |      | 200 | 2.1 | 6.9  |
|  |              |                                |  |       |       |      |         | 3.0Ω/km |      |          |         |      |    |     |      |      |   |      |      |      | 400 | 3.2 | 10.5 |
|  |              |                                |  |       |       |      |         |         |      |          |         |      |    |     |      |      |   | 700  | 4.5  | 14.8 |     |     |      |
|  |              |                                |  |       |       |      |         |         |      |          |         |      |    |     |      |      |   | 900  | 5.7  | 18.7 |     |     |      |
|  |              |                                |  |       |       |      |         |         |      |          |         |      |    |     |      |      |   | 1000 | 5.9  | 19.4 |     |     |      |
|  |              |                                |  |       |       |      |         |         |      |          |         |      |    |     |      |      |   | 4000 | 14.1 | 46.3 |     |     |      |

Suitable for Outdoor and Aerial applications.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

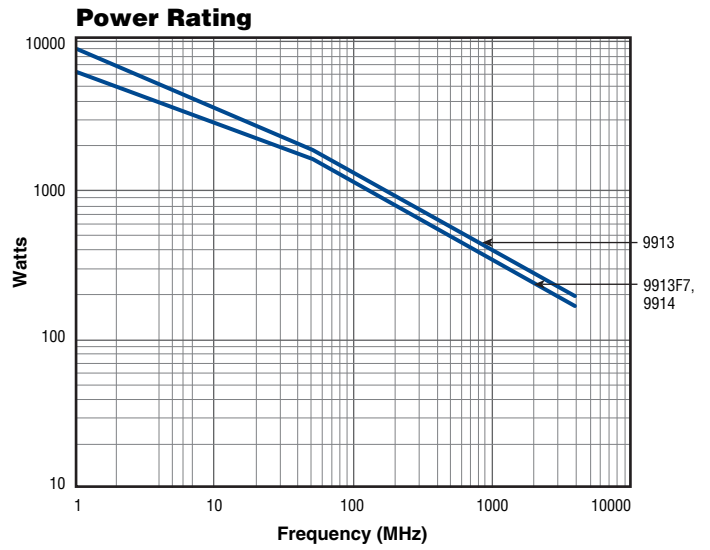
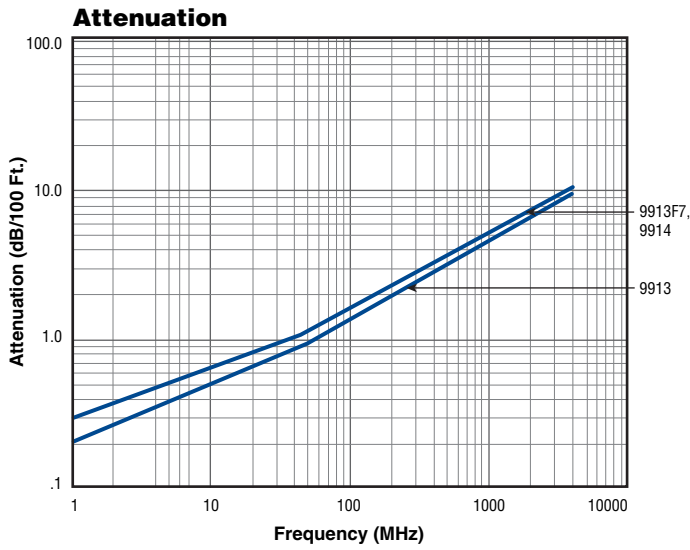
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

\*Duobond II = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage).

†Spools are one piece, but length may vary ±10% from length shown.

# 50 Ohm Transmission Cable

Electrical Characteristics of 9913, 9913F7 and 9914



# Conformable® Coax Cable

## 50 Ohm Microwave Cables

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                        | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**M17/151 Type • 29 AWG Solid .011" Silver-plated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage)**

| TFE Teflon® Insulation • Unjacketed |        |   |      |       |     |     |           |      |     |             |      |      |    |       |      |      |       |       |       |
|-------------------------------------|--------|---|------|-------|-----|-----|-----------|------|-----|-------------|------|------|----|-------|------|------|-------|-------|-------|
| UL AWM                              | 1674A* | — | 50   | 15.2  | .2  | .1  | 29 AWG    | .034 | .85 | CT          | .047 | 1.19 | 50 | 69.5% | 29.5 | 96.8 | 500   | 25.0  | 82.0  |
| Style 10245                         |        |   | 100  | 30.5  | .4  | .2  | (solid)   |      |     | Composite   |      |      |    |       |      |      | 1000  | 36.7  | 120.3 |
| (30V 105°C)                         |        |   | 500  | 152.4 | 2.0 | .9  | .011"     |      |     | 100% Shield |      |      |    |       |      |      | 2000  | 53.8  | 176.5 |
|                                     |        |   | 1000 | 304.8 | 5.0 | 2.3 | SPCCS     |      |     | Coverage    |      |      |    |       |      |      | 3000  | 67.3  | 220.8 |
|                                     |        |   |      |       |     |     | 205.0Ω/M' |      |     | 8.0Ω/M'     |      |      |    |       |      |      | 5000  | 89.2  | 292.8 |
|                                     |        |   |      |       |     |     | 672.4Ω/km |      |     | 26.2Ω/km    |      |      |    |       |      |      | 7000  | 107.5 | 352.6 |
|                                     |        |   |      |       |     |     |           |      |     |             |      |      |    |       |      |      | 10000 | 130.9 | 429.5 |
|                                     |        |   |      |       |     |     |           |      |     |             |      |      |    |       |      |      | 15000 | 163.8 | 537.4 |
|                                     |        |   |      |       |     |     |           |      |     |             |      |      |    |       |      |      | 18000 | 181.1 | 594.3 |
|                                     |        |   |      |       |     |     |           |      |     |             |      |      |    |       |      |      | 20000 | 192.0 | 630.0 |



**M17/151 Type • 29 AWG Solid .011" Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)**

| TFE Teflon Insulation • Unjacketed |        |   |        |       |     |     |           |      |     |             |      |      |    |       |      |      |       |       |       |
|------------------------------------|--------|---|--------|-------|-----|-----|-----------|------|-----|-------------|------|------|----|-------|------|------|-------|-------|-------|
| UL AWM                             | 1674B* | — | 100††  | 30.5  | .4  | .2  | 29 AWG    | .034 | .85 | CT          | .047 | 1.19 | 50 | 69.5% | 29.5 | 96.8 | 500   | 25.0  | 82.0  |
| Style 10245                        |        |   | 500††  | 152.4 | 2.0 | .9  | (solid)   |      |     | Composite   |      |      |    |       |      |      | 1000  | 36.7  | 120.3 |
| (30V 105°C)                        |        |   | 1000†† | 304.8 | 5.0 | 2.3 | .011"     |      |     | 100% Shield |      |      |    |       |      |      | 2000  | 53.8  | 176.5 |
|                                    |        |   |        |       |     |     | SPC       |      |     | Coverage    |      |      |    |       |      |      | 3000  | 67.3  | 220.8 |
|                                    |        |   |        |       |     |     | 81.2Ω/M'  |      |     | 8.0Ω/M'     |      |      |    |       |      |      | 5000  | 89.2  | 292.8 |
|                                    |        |   |        |       |     |     | 266.4Ω/km |      |     | 26.2Ω/km    |      |      |    |       |      |      | 7000  | 107.5 | 352.6 |
|                                    |        |   |        |       |     |     |           |      |     |             |      |      |    |       |      |      | 10000 | 130.9 | 429.5 |
|                                    |        |   |        |       |     |     |           |      |     |             |      |      |    |       |      |      | 15000 | 163.8 | 537.4 |
|                                    |        |   |        |       |     |     |           |      |     |             |      |      |    |       |      |      | 18000 | 181.1 | 594.3 |
|                                    |        |   |        |       |     |     |           |      |     |             |      |      |    |       |      |      | 20000 | 192.0 | 630.0 |



**RG-405/U Type • 24 AWG Solid .020" Silver-plated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage)**

| TFE Teflon Insulation • Unjacketed |        |   |       |       |      |     |           |      |      |             |      |      |    |       |      |      |       |       |       |
|------------------------------------|--------|---|-------|-------|------|-----|-----------|------|------|-------------|------|------|----|-------|------|------|-------|-------|-------|
| UL AWM                             | 1671A* | — | 50    | 15.2  | 2.0  | .9  | 24 AWG    | .062 | 1.57 | CT          | .085 | 2.16 | 50 | 69.5% | 29.5 | 96.8 | 500   | 15.0  | 49.2  |
| Style 10245                        |        |   | 100   | 30.5  | 2.5  | 1.1 | (solid)   |      |      | Composite   |      |      |    |       |      |      | 1000  | 22.2  | 72.8  |
| (30V 105°C)                        |        |   | 500†  | 152.4 | 7.5  | 3.4 | .020"     |      |      | 100% Shield |      |      |    |       |      |      | 2000  | 32.8  | 107.6 |
|                                    |        |   | 1000† | 304.8 | 14.0 | 6.4 | SPCCS     |      |      | Coverage    |      |      |    |       |      |      | 3000  | 41.2  | 135.2 |
|                                    |        |   |       |       |      |     | 64.2Ω/M'  |      |      | 10.2Ω/M'    |      |      |    |       |      |      | 5000  | 54.9  | 180.1 |
|                                    |        |   |       |       |      |     | 210.6Ω/km |      |      | 33.5Ω/km    |      |      |    |       |      |      | 7000  | 66.4  | 217.9 |
|                                    |        |   |       |       |      |     |           |      |      |             |      |      |    |       |      |      | 10000 | 81.2  | 266.4 |
|                                    |        |   |       |       |      |     |           |      |      |             |      |      |    |       |      |      | 15000 | 102.0 | 334.7 |
|                                    |        |   |       |       |      |     |           |      |      |             |      |      |    |       |      |      | 18000 | 113.0 | 370.8 |
|                                    |        |   |       |       |      |     |           |      |      |             |      |      |    |       |      |      | 20000 | 120.0 | 393.7 |

Suitable for Outdoor applications.

**TFE Teflon Insulation • PVC Jacket (Black or Clear)**

|             |        |   |       |       |      |     |           |      |      |             |      |      |    |       |      |      |       |       |       |
|-------------|--------|---|-------|-------|------|-----|-----------|------|------|-------------|------|------|----|-------|------|------|-------|-------|-------|
| UL AWM      | 1671J* | — | 100†▲ | 30.5  | 2.9  | 1.3 | 24 AWG    | .062 | 1.57 | CT          | .127 | 3.23 | 50 | 69.5% | 29.5 | 96.8 | 500   | 15.0  | 49.2  |
| Style 10245 |        |   | 500†  | 152.4 | 9.5  | 4.7 | (solid)   |      |      | Composite   |      |      |    |       |      |      | 1000  | 22.2  | 72.8  |
| (30V 105°C) |        |   | 1000† | 304.8 | 17.0 | 7.7 | .020"     |      |      | 100% Shield |      |      |    |       |      |      | 2000  | 32.8  | 107.6 |
|             |        |   |       |       |      |     | SPCCS     |      |      | Coverage    |      |      |    |       |      |      | 3000  | 41.2  | 135.2 |
|             |        |   |       |       |      |     | 64.2Ω/M'  |      |      | 10.2Ω/M'    |      |      |    |       |      |      | 5000  | 54.9  | 180.1 |
|             |        |   |       |       |      |     | 210.6Ω/km |      |      | 33.5Ω/km    |      |      |    |       |      |      | 7000  | 66.4  | 217.9 |
|             |        |   |       |       |      |     |           |      |      |             |      |      |    |       |      |      | 10000 | 81.2  | 266.4 |
|             |        |   |       |       |      |     |           |      |      |             |      |      |    |       |      |      | 15000 | 102.0 | 334.7 |
|             |        |   |       |       |      |     |           |      |      |             |      |      |    |       |      |      | 18000 | 113.0 | 370.8 |
|             |        |   |       |       |      |     |           |      |      |             |      |      |    |       |      |      | 20000 | 120.0 | 393.7 |

\*100 ft. put-up available in Black only.  
Suitable for Outdoor applications.

**RG-405/U Type • 24 AWG Solid .020" Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)**

| TFE Teflon Insulation • Unjacketed |       |   |        |       |      |     |          |      |      |             |      |      |    |       |      |      |       |       |       |
|------------------------------------|-------|---|--------|-------|------|-----|----------|------|------|-------------|------|------|----|-------|------|------|-------|-------|-------|
| UL AWM                             | 1671B | — | 500††  | 152.4 | 7.0  | 3.2 | 24 AWG   | .062 | 1.57 | CT          | .085 | 2.16 | 50 | 69.5% | 29.5 | 96.8 | 500   | 15.0  | 49.2  |
| Style 10245                        |       |   | 1000†† | 304.8 | 13.0 | 6.0 | (solid)  |      |      | Composite   |      |      |    |       |      |      | 1000  | 22.2  | 72.8  |
| (30V 105°C)                        |       |   |        |       |      |     | .020"    |      |      | 100% Shield |      |      |    |       |      |      | 2000  | 32.8  | 107.6 |
|                                    |       |   |        |       |      |     | SPC      |      |      | Coverage    |      |      |    |       |      |      | 3000  | 41.2  | 135.2 |
|                                    |       |   |        |       |      |     | 25.7Ω/M' |      |      | 10.2Ω/M'    |      |      |    |       |      |      | 5000  | 54.9  | 180.1 |
|                                    |       |   |        |       |      |     | 84.3Ω/km |      |      | 33.5Ω/km    |      |      |    |       |      |      | 7000  | 66.4  | 217.9 |
|                                    |       |   |        |       |      |     |          |      |      |             |      |      |    |       |      |      | 10000 | 81.2  | 266.4 |
|                                    |       |   |        |       |      |     |          |      |      |             |      |      |    |       |      |      | 15000 | 102.0 | 334.7 |
|                                    |       |   |        |       |      |     |          |      |      |             |      |      |    |       |      |      | 18000 | 113.0 | 370.8 |
|                                    |       |   |        |       |      |     |          |      |      |             |      |      |    |       |      |      | 20000 | 120.0 | 393.7 |

Suitable for Outdoor applications.

CT = Copper-Tin • DCR = DC Resistance • SPC = Silver-plated Copper • SPCCS = Silver-coated Copper-covered Steel • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Protected by one or more of U.S. Patent Nos. 4,694,122 and 5,292,001. Patent held in the U.S., Singapore, Australia, Germany, France and England. Patent pending in Japan.

†250 ft. put-up: Exact 3 pieces (maximum), 50 feet minimum length  
500 ft. put-up: Exact 5 pieces (maximum), 50 feet minimum length  
1000 ft. put-up: Exact 8 pieces (maximum), 50 feet minimum length

††May contain more than one piece. Min. length of any one piece is 25 ft.

Teflon is a Dupont trademark.



# Conformable® Coax Cable

## 50 Ohm Microwave Cables

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**RG-402/U Type • 19 AWG Solid .036" Silver-plated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage)**

| <b>TFE Teflon® Insulation • Unjacketed</b> |        |   |      |       |      |     |          |      |      |             |      |      |    |       |      |      |       |      |       |
|--|--------|---|------|-------|------|-----|----------|------|------|-------------|------|------|----|-------|------|------|-------|------|-------|
| UL AWM                                     | 1673A* | — | 50   | 15.2  | 3.3  | 1.5 | 19 AWG   | .116 | 2.95 | CT          | .138 | 3.51 | 50 | 69.5% | 29.5 | 96.8 | 500   | 8.0  | 26.2  |
| Style 10245<br>(30V 105°C)                 |        |   | 100  | 30.5  | 3.9  | 1.8 | (solid)  |      |      | Composite   |      |      |    |       |      |      | 1000  | 12.0 | 39.4  |
|  |        |   | 250† | 76.2  | 8.0  | 3.6 | .036"    |      |      | 100% Shield |      |      |    |       |      |      | 2000  | 18.1 | 59.4  |
|  |        |   | 500  | 152.4 | 15.0 | 6.8 | SPCCS    |      |      | Coverage    |      |      |    |       |      |      | 3000  | 22.9 | 75.1  |
|  |        |   |      |       |      |     | 20.5Ω/M' |      |      | 4.5Ω/M'     |      |      |    |       |      |      | 5000  | 31.0 | 101.7 |
|  |        |   |      |       |      |     | 67.3Ω/km |      |      | 14.8Ω/km    |      |      |    |       |      |      | 7000  | 37.8 | 124.0 |
|  |        |   |      |       |      |     |          |      |      |             |      |      |    |       |      |      | 10000 | 46.6 | 152.9 |
|  |        |   |      |       |      |     |          |      |      |             |      |      |    |       |      |      | 15000 | 59.1 | 193.9 |
|  |        |   |      |       |      |     |          |      |      |             |      |      |    |       |      |      | 18000 | 65.8 | 215.9 |
|  |        |   |      |       |      |     |          |      |      |             |      |      |    |       |      |      | 20000 | 70.0 | 229.7 |



**TFE Teflon Insulation • Black PVC Jacket**

|                            |        |   |      |       |      |     |          |      |      |             |      |      |    |       |      |      |       |      |       |
|----------------------------|--------|---|------|-------|------|-----|----------|------|------|-------------|------|------|----|-------|------|------|-------|------|-------|
| UL AWM                     | 1673J* | — | 100  | 30.5  | 5.1  | 2.3 | 19 AWG   | .116 | 2.95 | CT          | .178 | 4.52 | 50 | 69.5% | 29.5 | 96.8 | 500   | 8.0  | 26.2  |
| Style 10245<br>(30V 105°C) |        |   | 500† | 152.4 | 17.5 | 8.0 | (solid)  |      |      | Composite   |      |      |    |       |      |      | 1000  | 12.0 | 39.4  |
|                            |        |   |      |       |      |     | .036"    |      |      | 100% Shield |      |      |    |       |      |      | 2000  | 18.1 | 59.4  |
|                            |        |   |      |       |      |     | SPCCS    |      |      | Coverage    |      |      |    |       |      |      | 3000  | 22.9 | 75.1  |
|                            |        |   |      |       |      |     | 20.5Ω/M' |      |      | 4.5Ω/M'     |      |      |    |       |      |      | 5000  | 31.0 | 101.7 |
|                            |        |   |      |       |      |     | 67.3Ω/km |      |      | 14.8Ω/km    |      |      |    |       |      |      | 7000  | 37.8 | 124.0 |
|                            |        |   |      |       |      |     |          |      |      |             |      |      |    |       |      |      | 10000 | 46.6 | 152.9 |
|                            |        |   |      |       |      |     |          |      |      |             |      |      |    |       |      |      | 15000 | 59.1 | 193.9 |
|                            |        |   |      |       |      |     |          |      |      |             |      |      |    |       |      |      | 18000 | 65.8 | 215.9 |
|                            |        |   |      |       |      |     |          |      |      |             |      |      |    |       |      |      | 20000 | 70.0 | 229.7 |



**RG-402/U Type • 19 AWG Solid .036" Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)**

| <b>TFE Teflon Insulation • Unjacketed</b> |        |   |       |      |     |     |          |      |      |             |      |      |    |       |      |      |       |      |       |
|---|--------|---|-------|------|-----|-----|----------|------|------|-------------|------|------|----|-------|------|------|-------|------|-------|
| UL AWM                                    | 1673B* | — | 100†† | 30.5 | 3.9 | 1.8 | 19 AWG   | .116 | 2.95 | CT          | .138 | 3.51 | 50 | 69.5% | 29.5 | 96.8 | 500   | 8.0  | 26.2  |
| Style 10245<br>(30V 105°C)                |        |   | 500†† | 76.2 | 8.0 | 3.6 | (solid)  |      |      | Composite   |      |      |    |       |      |      | 1000  | 12.0 | 39.4  |
|   |        |   |       |      |     |     | .036"    |      |      | 100% Shield |      |      |    |       |      |      | 2000  | 18.1 | 59.4  |
|   |        |   |       |      |     |     | SPC      |      |      | Coverage    |      |      |    |       |      |      | 3000  | 22.9 | 75.1  |
|   |        |   |       |      |     |     | 7.9Ω/M'  |      |      | 4.5Ω/M'     |      |      |    |       |      |      | 5000  | 31.0 | 101.7 |
|   |        |   |       |      |     |     | 25.9Ω/km |      |      | 14.8Ω/km    |      |      |    |       |      |      | 7000  | 37.8 | 124.0 |
|   |        |   |       |      |     |     |          |      |      |             |      |      |    |       |      |      | 10000 | 46.6 | 152.9 |
|   |        |   |       |      |     |     |          |      |      |             |      |      |    |       |      |      | 15000 | 59.1 | 193.9 |
|   |        |   |       |      |     |     |          |      |      |             |      |      |    |       |      |      | 18000 | 65.8 | 215.9 |
|   |        |   |       |      |     |     |          |      |      |             |      |      |    |       |      |      | 20000 | 70.0 | 229.7 |



**RG-401/U Type • 14 AWG Solid .065" Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)**

| <b>TFE Teflon Insulation • Unjacketed</b> |        |   |       |       |      |      |         |      |      |             |      |      |    |       |      |      |       |      |       |
|---|--------|---|-------|-------|------|------|---------|------|------|-------------|------|------|----|-------|------|------|-------|------|-------|
| UL AWM                                    | 1675A* | — | 50†   | 15.2  | 4.1  | 1.8  | 14 AWG  | .210 | 5.33 | CT          | .246 | 6.25 | 50 | 69.5% | 29.6 | 97.1 | 400   | 3.8  | 12.5  |
| Style 10245<br>(30V 105°C)                |        |   | 100†† | 30.5  | 8.1  | 3.7  | (solid) |      |      | Composite   |      |      |    |       |      |      | 500   | 4.4  | 14.4  |
|   |        |   | 250†† | 76.2  | 20.3 | 9.2  | .065"   |      |      | 100% Shield |      |      |    |       |      |      | 1000  | 6.8  | 22.3  |
|   |        |   | 500†† | 152.4 | 40.5 | 18.4 | SPC     |      |      | Coverage    |      |      |    |       |      |      | 2000  | 10.4 | 34.1  |
|   |        |   |       |       |      |      | 2.5Ω/M' |      |      | 8.0Ω/M'     |      |      |    |       |      |      | 3000  | 13.4 | 44.0  |
|   |        |   |       |       |      |      | 8.2Ω/km |      |      | 26.2Ω/km    |      |      |    |       |      |      | 5000  | 18.5 | 60.7  |
|   |        |   |       |       |      |      |         |      |      |             |      |      |    |       |      |      | 7000  | 22.8 | 74.8  |
|   |        |   |       |       |      |      |         |      |      |             |      |      |    |       |      |      | 10000 | 28.4 | 93.2  |
|   |        |   |       |       |      |      |         |      |      |             |      |      |    |       |      |      | 15000 | 36.6 | 120.1 |
|   |        |   |       |       |      |      |         |      |      |             |      |      |    |       |      |      | 18000 | 41.0 | 134.5 |



CT = Copper-Tin • DCR = DC Resistance • SPCCS = Silver-plated Copper-covered Steel • SPC = Silver-plated Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\* Protected by one or more of U.S. Patent Nos. 4,694,122 and 5,292,001. Patent held in the U.S., Singapore, Australia, Germany, France and England. Patent pending in Japan.

† 250 ft. put-up: Exact 3 pieces (maximum), 50 feet minimum length

500 ft. put-up: Exact 5 pieces (maximum), 50 feet minimum length

1000 ft. put-up: Exact 8 pieces (maximum), 50 feet minimum length

†† May contain more than one piece, minimum length of any one piece is 25 ft.

Teflon is a DuPont trademark.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

# Conformable® Coax Cable

## 75 Ohm High-Frequency Video Cables

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**29 AWG Solid .011" Silver-coated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage)**

**TFE Teflon® Insulation • Unjacketed**

|                            |               |   |                   |       |      |     |                  |      |      |                          |      |      |    |       |      |      |      |      |      |
|----------------------------|---------------|---|-------------------|-------|------|-----|------------------|------|------|--------------------------|------|------|----|-------|------|------|------|------|------|
| UL AWM                     | <b>1672A*</b> | — | 500 <sup>†</sup>  | 152.4 | 7.5  | 3.4 | 29 AWG           | .062 | 1.58 | CT                       | .087 | 2.21 | 75 | 69.5% | 19.5 | 64.0 | 1    | 1.6  | 5.3  |
| Style 10245<br>(30V 105°C) |               |   | 1000 <sup>†</sup> | 304.8 | 14.0 | 6.4 | (solid)<br>.011" |      |      | Composite<br>100% Shield |      |      |    |       |      |      | 10   | 1.8  | 5.9  |
|                            |               |   |                   |       |      |     | SCCCS            |      |      | Coverage                 |      |      |    |       |      |      | 50   | 4.1  | 13.5 |
|                            |               |   |                   |       |      |     | 205.0Ω/M'        |      |      | 10.0Ω/M'                 |      |      |    |       |      |      | 100  | 6.5  | 21.3 |
|                            |               |   |                   |       |      |     | 672.4Ω/km        |      |      | 32.8Ω/km                 |      |      |    |       |      |      | 200  | 9.0  | 29.5 |
|                            |               |   |                   |       |      |     |                  |      |      |                          |      |      |    |       |      |      | 400  | 12.8 | 42.0 |
|                            |               |   |                   |       |      |     |                  |      |      |                          |      |      |    |       |      |      | 700  | 18.0 | 59.1 |
|                            |               |   |                   |       |      |     |                  |      |      |                          |      |      |    |       |      |      | 1000 | 22.1 | 72.5 |



**TFE Teflon Insulation • PVC Jacket (Black or Clear)**

|                            |               |   |                   |       |      |     |                  |      |      |                          |      |      |    |       |      |      |      |      |      |
|----------------------------|---------------|---|-------------------|-------|------|-----|------------------|------|------|--------------------------|------|------|----|-------|------|------|------|------|------|
| UL AWM                     | <b>1672J*</b> | — | 100 <sup>††</sup> | 30.5  | 3.1  | 1.4 | 29 AWG           | .062 | 1.58 | CT                       | .127 | 3.23 | 75 | 69.5% | 19.5 | 64.0 | 1    | 1.6  | 5.3  |
| Style 10245<br>(30V 105°C) |               |   | 500 <sup>††</sup> | 152.4 | 9.5  | 4.3 | (solid)<br>.011" |      |      | Composite<br>100% Shield |      |      |    |       |      |      | 10   | 1.8  | 5.9  |
|                            |               |   | 1000 <sup>†</sup> | 304.8 | 17.0 | 7.7 | SCCCS            |      |      | Coverage                 |      |      |    |       |      |      | 50   | 4.1  | 13.5 |
|                            |               |   |                   |       |      |     | 205.0Ω/M'        |      |      | 10.0Ω/M'                 |      |      |    |       |      |      | 100  | 6.5  | 21.3 |
|                            |               |   |                   |       |      |     | 672.6Ω/km        |      |      | 32.8Ω/km                 |      |      |    |       |      |      | 200  | 9.0  | 29.5 |
|                            |               |   |                   |       |      |     |                  |      |      |                          |      |      |    |       |      |      | 400  | 12.8 | 42.0 |
|                            |               |   |                   |       |      |     |                  |      |      |                          |      |      |    |       |      |      | 700  | 18.0 | 59.1 |
|                            |               |   |                   |       |      |     |                  |      |      |                          |      |      |    |       |      |      | 1000 | 22.1 | 72.5 |



\*100 ft. put-up available in Clear only.

**29 AWG Solid .011" Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)**

**TFE Teflon Insulation • Unjacketed**

|                            |               |   |                    |       |      |     |                  |      |      |                          |      |      |    |       |      |      |      |      |      |
|----------------------------|---------------|---|--------------------|-------|------|-----|------------------|------|------|--------------------------|------|------|----|-------|------|------|------|------|------|
| UL AWM                     | <b>1672B*</b> | — | 100 <sup>††</sup>  | 30.5  | 2.5  | 1.1 | 29 AWG           | .062 | 1.58 | CT                       | .087 | 2.21 | 75 | 69.5% | 19.5 | 64.0 | 1    | 1.6  | 5.3  |
| Style 10245<br>(30V 105°C) |               |   | 500 <sup>††</sup>  | 152.4 | 7.5  | 3.4 | (solid)<br>.011" |      |      | Composite<br>100% Shield |      |      |    |       |      |      | 10   | 1.8  | 5.9  |
|                            |               |   | 1000 <sup>††</sup> | 304.8 | 14.0 | 6.4 | SPC              |      |      | Coverage                 |      |      |    |       |      |      | 50   | 4.1  | 13.5 |
|                            |               |   |                    |       |      |     | 11.0Ω/M'         |      |      | 10.0Ω/M'                 |      |      |    |       |      |      | 100  | 6.5  | 21.3 |
|                            |               |   |                    |       |      |     | 36.1Ω/km         |      |      | 32.8Ω/km                 |      |      |    |       |      |      | 200  | 9.0  | 29.5 |
|                            |               |   |                    |       |      |     |                  |      |      |                          |      |      |    |       |      |      | 400  | 12.8 | 42.0 |
|                            |               |   |                    |       |      |     |                  |      |      |                          |      |      |    |       |      |      | 700  | 18.0 | 59.1 |
|                            |               |   |                    |       |      |     |                  |      |      |                          |      |      |    |       |      |      | 1000 | 22.1 | 72.5 |



Non-ferrous design.

CT = Copper Tin • DCR = DC Resistance • SCCC = Silver-coated Copper-covered Steel • SPC = Silver-plated Copper • TFE = Tetra Fluoroethylene

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\* Protected by one or more of U.S. Patent Nos. 4,694,122 and 5,292,001. Patent held in the U.S., Singapore, Australia, Germany, France and England. Patent pending in Japan.

<sup>†</sup> 250 ft. put-up: Exact 3 pieces (maximum), 50 feet minimum length

500 ft. put-up: Exact 5 pieces (maximum), 50 feet minimum length

1000 ft. put-up: Exact 8 pieces (maximum), 50 feet minimum length

<sup>††</sup> May contain more than 1 piece, minimum length of any one piece is 25 ft.

Teflon is a DuPont trademark.

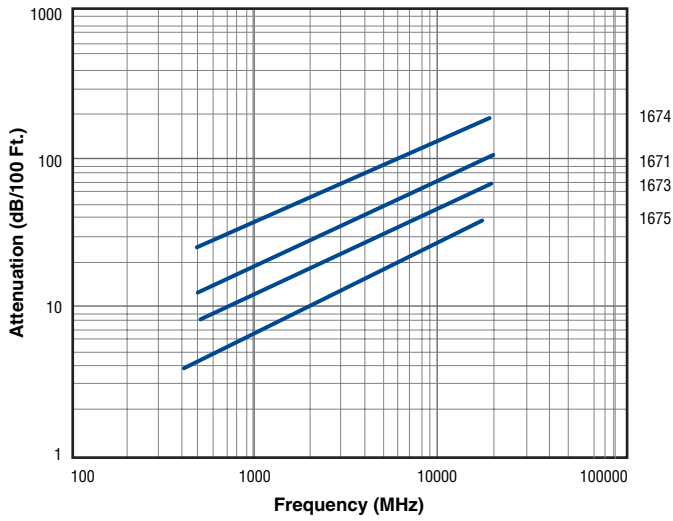


For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

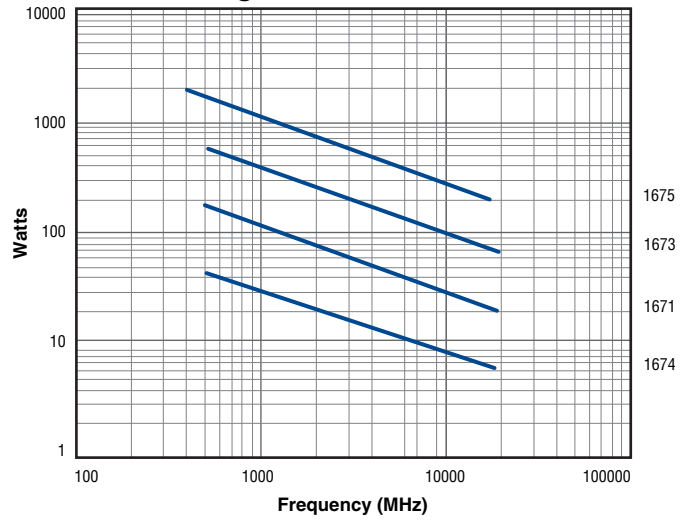
# Conformable® Coax Cable

## Electrical Characteristics

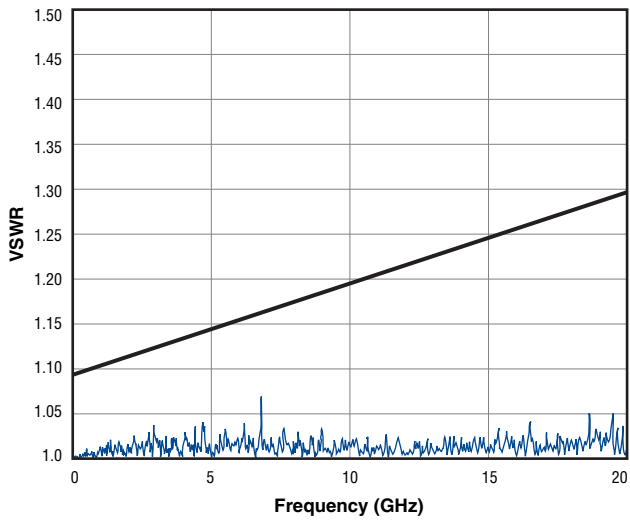
**Attenuation**



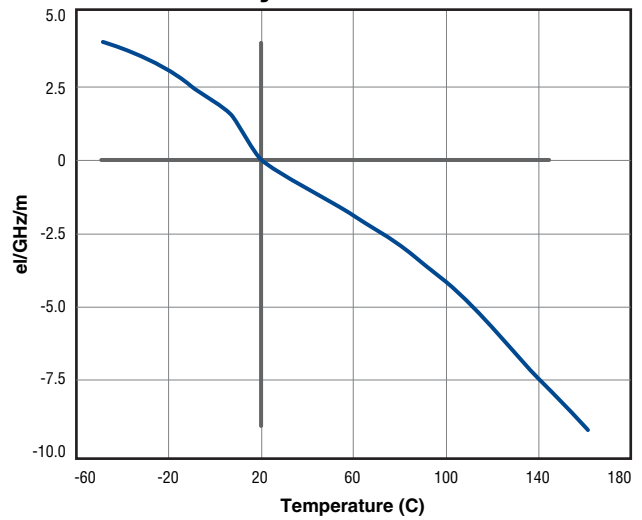
**Power Rating**



**Guaranteed VSWR**



**Phase Stability**



Conformable Coax cable is an alternative to semi-rigid and flexible coax for “black box” applications involving internal, head-end wiring of electronic equipment, delay lines, and high-frequency applications.



# MIL-C-17G QPL Cable

50 Ohm Coax

| Description   | Part No.     | UL NEC/ C(UL) CEC Type | Standard Lengths |       | Standard Unit Weight |     | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |           | Shielding Materials Nom. DCR | Nominal OD |      | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |       |
|---|--------------|------------------------|------------------|-------|----------------------|-----|---|-----------------|-----------|------------------------------|------------|------|---------------|--------------------|---------------------|------|---------------------|------------|---------|-------|
|   |              |                        | Ft.              | m     | Lbs.                 | kg  |   | Inch            | mm        |                              | Inch       | mm   |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |       |
| <b>30 AWG Stranded (7x38) .012" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (96% Coverage)</b> |              |                        |                  |       |                      |     |   |                 |           |                              |            |      |               |                    |                     |      |                     |            |         |       |
| <b>TFE Teflon® Insulation • White FEP Jacket</b>  |              |                        |                  |       |                      |     |   |                 |           |                              |            |      |               |                    |                     |      |                     |            |         |       |
| 200°C   | <b>83265</b> | —                      | 100†             | 30.5  | .8                   | .4  | 30 AWG                                  | .033            | .84       | SPC Braid                    | .071       | 1.80 | 50            | 69.5%              | 29.0                | 95.1 | 1                   | 2.6        | 8.5     |       |
| VW-1  |              |                        | 500†             | 152.4 | 4.0                  | 1.6 | (7x38)                                  |                 |           | 96% Shield                   |            |      |               |                    |                     |      |                     | 10         | 5.6     | 18.4  |
|   |              |                        | 1000†            | 304.8 | 6.0                  | 3.2 | .012"                                   |                 |           | Coverage                     |            |      |               |                    |                     |      |                     |            | 50      | 10.5  |
|   |              |                        |                  |       |                      |     |   |                 | SPCCS     | 14.6Ω/M'                     |            |      |               |                    |                     |      |                     | 100        | 14.0    | 45.9  |
|   |              |                        |                  |       |                      |     |   |                 | 244.0Ω/M' | 47.9Ω/km                     |            |      |               |                    |                     |      |                     | 200        | 19.0    | 62.3  |
|   |              |                        |                  |       |                      |     |   |                 | 801.0Ω/km |                              |            |      |               |                    |                     |      |                     | 400        | 28.0    | 91.9  |
|   |              |                        |                  |       |                      |     |   |                 |           |                              |            |      |               |                    |                     |      |                     | 700        | 37.0    | 121.4 |
|   |              |                        |                  |       |                      |     |   |                 |           |                              |            |      |               |                    |                     |      |                     | 900        | 42.5    | 139.4 |
|   |              |                        |                  |       |                      |     |   |                 |           |                              |            |      |               |                    |                     |      |                     | 1000       | 46.0    | 150.9 |

M17/169-00001 (RG-178B/U). Non-SWR swept version of RG-178.

|   |              |   |       |       |      |     |        |      |           |            |      |      |    |       |      |      |   |      |      |      |     |
|---|--------------|---|-------|-------|------|-----|--------|------|-----------|------------|------|------|----|-------|------|------|---|------|------|------|-----|
| <b>26 AWG Stranded (7x34) .020" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (95% Coverage)</b> |              |   |       |       |      |     |        |      |           |            |      |      |    |       |      |      |   |      |      |      |     |
| <b>TFE Teflon Insulation • White FEP Jacket</b>   |              |   |       |       |      |     |        |      |           |            |      |      |    |       |      |      |   |      |      |      |     |
| 200°C   | <b>83284</b> | — | 100†  | 30.5  | 1.2  | .5  | 26 AWG | .058 | 1.47      | SPC Braid  | .098 | 2.49 | 50 | 69.5% | 29.0 | 95.1 | 1 | 1.2  | 3.9  |      |     |
| VW-1  |              |   | 500†  | 152.4 | 5.5  | 2.7 | (7x34) |      |           | 95% Shield |      |      |    |       |      |      |   |      | 10   | 2.7  | 8.9 |
|   |              |   | 1000† | 304.8 | 11.0 | 5.0 | .020"  |      |           | Coverage   |      |      |    |       |      |      |   |      |      | 50   | 5.6 |
|   |              |   |       |       |      |     |        |      | SPCCS     | 6.5Ω/M'    |      |      |    |       |      |      |   | 100  | 8.3  | 27.2 |     |
|   |              |   |       |       |      |     |        |      | 84.1Ω/M'  | 21.3Ω/km   |      |      |    |       |      |      |   | 200  | 12.0 | 39.4 |     |
|   |              |   |       |       |      |     |        |      | 275.9Ω/km |            |      |      |    |       |      |      |   | 400  | 17.5 | 57.4 |     |
|   |              |   |       |       |      |     |        |      |           |            |      |      |    |       |      |      |   | 700  | 23.7 | 77.8 |     |
|   |              |   |       |       |      |     |        |      |           |            |      |      |    |       |      |      |   | 900  | 27.3 | 89.6 |     |
|   |              |   |       |       |      |     |        |      |           |            |      |      |    |       |      |      |   | 1000 | 29.0 | 95.1 |     |

M17/172-00001 (RG-316/U). Non-SWR swept version of RG-316.

|   |              |   |       |       |      |     |        |      |           |            |      |      |    |       |      |      |   |      |      |      |     |
|---|--------------|---|-------|-------|------|-----|--------|------|-----------|------------|------|------|----|-------|------|------|---|------|------|------|-----|
| <b>26 AWG Stranded (7x34) .020" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (95% Coverage)</b> |              |   |       |       |      |     |        |      |           |            |      |      |    |       |      |      |   |      |      |      |     |
| <b>TFE Teflon Insulation • Brown FEP Jacket</b>   |              |   |       |       |      |     |        |      |           |            |      |      |    |       |      |      |   |      |      |      |     |
| 200°C   | <b>84316</b> | — | 100†  | 30.5  | 1.2  | .5  | 26 AWG | .058 | 1.47      | SPC Braid  | .098 | 2.49 | 50 | 69.5% | 29.0 | 95.1 | 1 | 1.2  | 3.9  |      |     |
| VW-1  |              |   | 500†  | 152.4 | 5.5  | 2.5 | (7x34) |      |           | 95% Shield |      |      |    |       |      |      |   |      | 10   | 2.7  | 8.9 |
|   |              |   | 1000† | 304.8 | 11.0 | 5.0 | .020"  |      |           | Coverage   |      |      |    |       |      |      |   |      |      | 50   | 5.6 |
|   |              |   |       |       |      |     |        |      | SPCCS     | 6.5Ω/M'    |      |      |    |       |      |      |   | 100  | 8.3  | 27.2 |     |
|   |              |   |       |       |      |     |        |      | 84.1Ω/M'  | 21.3Ω/km   |      |      |    |       |      |      |   | 200  | 12.0 | 39.4 |     |
|   |              |   |       |       |      |     |        |      | 275.9Ω/km |            |      |      |    |       |      |      |   | 400  | 17.5 | 57.4 |     |
|   |              |   |       |       |      |     |        |      |           |            |      |      |    |       |      |      |   | 700  | 23.7 | 77.8 |     |
|   |              |   |       |       |      |     |        |      |           |            |      |      |    |       |      |      |   | 900  | 27.3 | 89.6 |     |
|   |              |   |       |       |      |     |        |      |           |            |      |      |    |       |      |      |   | 1000 | 29.0 | 95.1 |     |

M17/113-RG316

|  |             |          |      |       |      |     |                |      |          |                 |      |      |    |     |      |       |   |      |      |      |      |
|--|-------------|----------|------|-------|------|-----|----------------|------|----------|-----------------|------|------|----|-----|------|-------|---|------|------|------|------|
| <b>22 AWG Stranded (27x36) .030" Tinned Copper Conductor • Tinned Copper Braid Shield (95% Coverage)</b> |             |          |      |       |      |     |                |      |          |                 |      |      |    |     |      |       |   |      |      |      |      |
| <b>Polyethylene Insulation • Black Non-contaminating PVC Jacket</b>                                      |             |          |      |       |      |     |                |      |          |                 |      |      |    |     |      |       |   |      |      |      |      |
| UL AWM Style 1354 (30V 80°C) VW-1  | <b>9252</b> | NEC: CMX | 1000 | 304.8 | 18.0 | 8.2 | 22 AWG (27x36) | .096 | 2.44     | TC Braid Shield | .160 | 4.06 | 50 | 66% | 30.8 | 101.0 | 1 | .4   | 1.3  |      |      |
|  |             | CEC: CMX |      |       |      |     | .030"          |      |          | 95% Shield      |      |      |    |     |      |       |   |      | 10   | 1.7  | 5.6  |
|  |             |          |      |       |      |     | TC             |      |          | Coverage        |      |      |    |     |      |       |   |      | 50   | 4.5  | 14.8 |
|  |             |          |      |       |      |     |                |      | 17.1Ω/M' | 5.2Ω/M'         |      |      |    |     |      |       |   | 100  | 7.0  | 23.0 |      |
|  |             |          |      |       |      |     |                |      | 56.1Ω/km | 17.1Ω/km        |      |      |    |     |      |       |   | 200  | 11.0 | 36.1 |      |
|  |             |          |      |       |      |     |                |      |          |                 |      |      |    |     |      |       |   | 400  | 16.5 | 54.1 |      |
|  |             |          |      |       |      |     |                |      |          |                 |      |      |    |     |      |       |   | 700  | 23.5 | 77.1 |      |
|  |             |          |      |       |      |     |                |      |          |                 |      |      |    |     |      |       |   | 900  | 27.3 | 89.6 |      |
|  |             |          |      |       |      |     |                |      |          |                 |      |      |    |     |      |       |   | 1000 | 29.0 | 95.1 |      |

M17/157-00001 (RG-122/U). Non-SWR swept version of RG-122.

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • SPC = Silver-plated Copper • SPCCS = Silver-plated Copper-covered Steel • TC = Tinned Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

†May contain more than one piece, minimum length of any one piece is 25 ft.

Teflon is a DuPont trademark.



# MIL-C-17G QPL Cable

50 Ohm Coax

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**20 AWG Stranded (19x33) .035" Tinned Copper Conductor • Tinned Copper Braid Shield (95% Coverage)**

**Polyethylene Insulation • Black Non-contaminating PVC Jacket**

|      |             |   |      |       |      |      |  |      |      |   |      |      |    |     |      |       |      |      |     |
|------|-------------|---|------|-------|------|------|--|------|------|---|------|------|----|-----|------|-------|------|------|-----|
| 85°C | <b>9203</b> | — | 500  | 152.4 | 12.5 | 5.7  | 20 AWG<br>(19x33)<br>.035"<br>TC<br>10.8Ω/M'<br>35.4Ω/km | .116 | 2.95 | TC Braid<br>95% Shield<br>Coverage<br>4.1Ω/M'<br>13.5Ω/km | .195 | 4.95 | 50 | 66% | 30.8 | 101.0 | 1    | .4   | 1.3 |
|      |             |   | 1000 | 304.8 | 25.0 | 12.3 |  |      |      |   |      |      |    |     |      |       | 10   | 1.4  | 4.6 |
|      |             |   |      |       |      |      |  |      |      |   |      |      |    |     |      | 50    | 3.3  | 10.8 |     |
|      |             |   |      |       |      |      |  |      |      |   |      |      |    |     |      | 100   | 4.9  | 16.1 |     |
|      |             |   |      |       |      |      |  |      |      |   |      |      |    |     |      | 200   | 7.3  | 24.0 |     |
|      |             |   |      |       |      |      |  |      |      |   |      |      |    |     |      | 400   | 11.5 | 37.7 |     |
|      |             |   |      |       |      |      |  |      |      |   |      |      |    |     |      | 700   | 17.0 | 55.8 |     |
|      |             |   |      |       |      |      |  |      |      |   |      |      |    |     |      | 900   | 20.0 | 65.6 |     |
|      |             |   |      |       |      |      |  |      |      |   |      |      |    |     |      | 1000  | 21.5 | 70.5 |     |

M17/28-RG58

|      |             |   |        |         |      |      |  |      |      |   |      |      |    |     |      |       |      |      |     |
|------|-------------|---|--------|---------|------|------|--|------|------|---|------|------|----|-----|------|-------|------|------|-----|
| 85°C | <b>8262</b> | — | U-500  | U-152.4 | 13.5 | 6.1  | 20 AWG<br>(19x33)<br>.035"<br>TC<br>10.8Ω/M'<br>35.4Ω/km | .115 | 2.92 | TC Braid<br>95% Shield<br>Coverage<br>4.1Ω/M'<br>13.5Ω/km | .195 | 4.95 | 50 | 66% | 30.8 | 101.0 | 1    | .4   | 1.3 |
|      |             |   | 500    | 152.4   | 12.5 | 5.7  |  |      |      |   |      |      |    |     |      |       | 10   | 1.4  | 4.6 |
|      |             |   | U-1000 | U-304.8 | 26.0 | 11.8 |  |      |      |   |      |      |    |     |      | 50    | 3.3  | 10.8 |     |
|      |             |   | 1000   | 304.8   | 25.0 | 11.3 |  |      |      |   |      |      |    |     |      | 100   | 4.9  | 16.1 |     |
|      |             |   |        |         |      |      |  |      |      |   |      |      |    |     |      | 200   | 7.3  | 24.0 |     |
|      |             |   |        |         |      |      |  |      |      |   |      |      |    |     |      | 400   | 11.5 | 37.7 |     |
|      |             |   |        |         |      |      |  |      |      |   |      |      |    |     |      | 700   | 17.0 | 55.8 |     |
|      |             |   |        |         |      |      |  |      |      |   |      |      |    |     |      | 900   | 20.0 | 65.6 |     |
|      |             |   |        |         |      |      |  |      |      |   |      |      |    |     |      | 1000  | 21.5 | 70.5 |     |

M17/155-00001 (RG-58C/U). Non-SWR swept version of RG-58.

**19 AWG Solid .034" Silver-coated Copper Conductor • Double Silver-coated Copper Braid Shield (95% Coverage)**

**Polyethylene Insulation • Black Non-contaminating PVC Jacket**

|                                    |             |                            |        |         |      |      |  |      |      |   |      |      |    |     |      |       |      |      |     |
|------------------------------------|-------------|----------------------------|--------|---------|------|------|--|------|------|---|------|------|----|-----|------|-------|------|------|-----|
| UL AWM<br>Style 1354<br>(30V 60°C) | <b>9273</b> | NEC:<br>CMX<br>CEC:<br>CMX | 100    | 30.5    | 4.7  | 2.1  | 19 AWG<br>(solid)<br>.034"<br>SCC<br>8.8Ω/M'<br>28.9Ω/km | .117 | 2.97 | (2) SCC<br>Braids<br>95% Shield<br>Coverage<br>2.5Ω/M'<br>8.2Ω/km | .212 | 5.39 | 50 | 66% | 30.8 | 101.0 | 1    | .4   | 1.3 |
|                                    |             |                            | U-500  | U-152.4 | 20.0 | 9.1  |  |      |      |   |      |      |    |     |      |       | 10   | 1.2  | 3.9 |
|                                    |             |                            | 500    | 152.4   | 18.5 | 8.4  |  |      |      |   |      |      |    |     |      | 50    | 2.8  | 9.2  |     |
|                                    |             |                            | U-1000 | U-304.8 | 39.0 | 17.7 |  |      |      |   |      |      |    |     |      | 100   | 4.1  | 13.5 |     |
|                                    |             |                            | 1000   | 304.8   | 37.0 | 16.8 |  |      |      |   |      |      |    |     |      | 200   | 6.0  | 19.7 |     |
|                                    |             |                            |        |         |      |      |  |      |      |   |      |      |    |     |      | 400   | 8.8  | 28.9 |     |
|                                    |             |                            |        |         |      |      |  |      |      |   |      |      |    |     |      | 700   | 12.0 | 39.4 |     |
|                                    |             |                            |        |         |      |      |  |      |      |   |      |      |    |     |      | 900   | 13.8 | 45.3 |     |
|                                    |             |                            |        |         |      |      |  |      |      |   |      |      |    |     |      | 1000  | 14.5 | 47.6 |     |

M17/167-00001 (RG-223/U). Non-SWR swept version of RG-223.

**18 AWG Solid .037" Silver-coated Copper-covered Steel Conductor • Double Silver-coated Copper Braid Shield (96% Coverage)**

**Plenum • TFE Teflon® Insulation • Tinted Brown FEP Jacket**

|               |              |                     |       |       |      |      |   |      |      |   |      |      |    |     |      |      |      |      |     |
|---------------|--------------|---------------------|-------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|------|------|-----|
| 200°C<br>VW-1 | <b>84142</b> | NEC:<br>CMP<br>CEC: | 100   | 30.5  | 5.0  | 2.3  | 18 AWG<br>(solid)<br>.037"<br>SCCCS<br>19.3Ω/M'<br>63.3Ω/km | .116 | 2.95 | (2) SCC<br>Braids<br>96% Shield<br>Coverage<br>2.3Ω/M'<br>7.5Ω/km | .195 | 4.95 | 50 | 70% | 29.0 | 95.1 | 10   | 1.1  | 3.6 |
|               |              |                     | 500†  | 152.4 | 22.5 | 10.2 |   |      |      |   |      |      |    |     |      |      | 50   | 2.6  | 8.5 |
|               |              |                     | 1000† | 304.8 | 46.0 | 20.9 |   |      |      |   |      |      |    |     |      | 100  | 3.8  | 12.5 |     |
|               |              |                     |       |       |      |      |   |      |      |   |      |      |    |     |      | 200  | 5.4  | 17.7 |     |
|               |              |                     |       |       |      |      |   |      |      |   |      |      |    |     |      | 400  | 7.9  | 25.9 |     |
|               |              |                     |       |       |      |      |   |      |      |   |      |      |    |     |      | 700  | 10.7 | 35.1 |     |
|               |              |                     |       |       |      |      |   |      |      |   |      |      |    |     |      | 900  | 12.3 | 40.4 |     |
|               |              |                     |       |       |      |      |   |      |      |   |      |      |    |     |      | 1000 | 13.1 | 43.0 |     |
|               |              |                     |       |       |      |      |   |      |      |   |      |      |    |     |      | 2000 | 19.3 | 63.3 |     |

M17/60-RG142

|               |              |                     |       |       |      |      |   |      |      |   |      |      |    |     |      |      |      |      |     |
|---------------|--------------|---------------------|-------|-------|------|------|---|------|------|---|------|------|----|-----|------|------|------|------|-----|
| 200°C<br>VW-1 | <b>83242</b> | NEC:<br>CMP<br>CEC: | 100†  | 30.5  | 5.3  | 2.4  | 18 AWG<br>(solid)<br>.037"<br>SCCCS<br>19.3Ω/M'<br>63.3Ω/km | .116 | 2.95 | (2) SCC<br>Braids<br>96% Shield<br>Coverage<br>2.3Ω/M'<br>7.5Ω/km | .195 | 4.95 | 50 | 70% | 29.0 | 95.1 | 10   | 1.1  | 3.6 |
|               |              |                     | 500†  | 152.4 | 22.5 | 10.2 |   |      |      |   |      |      |    |     |      |      | 50   | 2.6  | 8.5 |
|               |              |                     | 1000† | 304.8 | 46.0 | 20.9 |   |      |      |   |      |      |    |     |      | 100  | 3.8  | 12.5 |     |
|               |              |                     |       |       |      |      |   |      |      |   |      |      |    |     |      | 200  | 5.4  | 17.7 |     |
|               |              |                     |       |       |      |      |   |      |      |   |      |      |    |     |      | 400  | 7.9  | 25.9 |     |
|               |              |                     |       |       |      |      |   |      |      |   |      |      |    |     |      | 700  | 10.7 | 35.1 |     |
|               |              |                     |       |       |      |      |   |      |      |   |      |      |    |     |      | 900  | 12.3 | 40.4 |     |
|               |              |                     |       |       |      |      |   |      |      |   |      |      |    |     |      | 1000 | 13.1 | 43.0 |     |
|               |              |                     |       |       |      |      |   |      |      |   |      |      |    |     |      | 2000 | 19.3 | 63.3 |     |

M17/158-00001 (RG-142B/U). Non-SWR swept version of RG-142.

**18 AWG Solid .037" Silver-coated Copper-covered Steel Conductor • Silver-coated Copper Braid Shield (95% Coverage)**

**Plenum • TFE Teflon Insulation • Tinted Brown FEP Jacket**

|               |              |              |       |       |      |      |   |      |      |  |      |      |    |     |      |      |      |      |     |
|---------------|--------------|--------------|-------|-------|------|------|---|------|------|--|------|------|----|-----|------|------|------|------|-----|
| 200°C<br>VW-1 | <b>84303</b> | NEC:<br>CL2P | 500†  | 152.4 | 16.5 | 7.5  | 18 AWG<br>(solid)<br>.037"<br>SCCCS<br>16.3Ω/M'<br>53.5Ω/km | .116 | 2.95 | SCC Braid<br>Shield<br>95% Shield<br>Coverage<br>4.3Ω/M'<br>14.1Ω/km | .170 | 4.31 | 50 | 70% | 29.0 | 95.1 | 10   | 1.1  | 3.6 |
|               |              |              | 1000† | 304.8 | 32.0 | 14.5 |   |      |      |  |      |      |    |     |      |      | 50   | 2.6  | 8.5 |
|               |              |              |       |       |      |      |   |      |      |  |      |      |    |     |      | 100  | 3.8  | 12.5 |     |
|               |              |              |       |       |      |      |   |      |      |  |      |      |    |     |      | 200  | 5.4  | 17.7 |     |
|               |              |              |       |       |      |      |   |      |      |  |      |      |    |     |      | 400  | 7.9  | 25.9 |     |
|               |              |              |       |       |      |      |   |      |      |  |      |      |    |     |      | 700  | 10.7 | 35.1 |     |
|               |              |              |       |       |      |      |   |      |      |  |      |      |    |     |      | 900  | 12.3 | 40.4 |     |
|               |              |              |       |       |      |      |   |      |      |  |      |      |    |     |      | 1000 | 13.1 | 43.0 |     |
|               |              |              |       |       |      |      |   |      |      |  |      |      |    |     |      | 2000 | 19.3 | 63.3 |     |

M17/111-RG303

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • SCC = Silver-coated Copper • SCCCS = Silver-coated Copper-covered Steel • TC = Tinned Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

† May contain more than one piece, minimum length of any 1 piece is 25 feet.

Teflon is a DuPont trademark.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**


# MIL-C-17G QPL Cable

50 Ohm Coax

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**15.5 AWG** Solid .056" Silver-plated Copper Conductor • Double Silver-plated Copper Braid Shield (95% Coverage)


**Polyethylene Insulation • Black Non-contaminating PVC Jacket**

|  |             |   |      |       |      |      |                  |      |      |                     |      |      |    |     |      |       |      |     |      |
|--|-------------|---|------|-------|------|------|------------------|------|------|---------------------|------|------|----|-----|------|-------|------|-----|------|
| 85°C   | <b>9861</b> | — | 1000 | 304.8 | 91.0 | 41.4 | 15.5 AWG (solid) | .185 | 4.70 | (2) SPC Braids      | .332 | 8.43 | 50 | 66% | 30.8 | 101.0 | 1    | .3  | .9   |
|  |             |   |      |       |      |      | .056"            |      |      | 95% Shield Coverage |      |      |    |     |      |       | 10   | .8  | 2.7  |
|  |             |   |      |       |      |      | SPC              |      |      |                     |      |      |    |     |      |       | 50   | 1.9 | 6.2  |
|  |             |   |      |       |      |      | 3.3Ω/M'          |      |      | 1.1Ω/M'             |      |      |    |     |      |       | 100  | 2.7 | 8.9  |
|  |             |   |      |       |      |      | 10.8Ω/km         |      |      | 3.6Ω/km             |      |      |    |     |      |       | 200  | 4.1 | 13.5 |
|  |             |   |      |       |      |      |                  |      |      |                     |      |      |    |     |      |       | 400  | 5.9 | 19.4 |
|  |             |   |      |       |      |      |                  |      |      |                     |      |      |    |     |      |       | 700  | 8.0 | 26.2 |
|  |             |   |      |       |      |      |                  |      |      |                     |      |      |    |     |      |       | 900  | 9.1 | 29.9 |
|  |             |   |      |       |      |      |                  |      |      |                     |      |      |    |     |      |       | 1000 | 9.8 | 32.2 |

M17/162-00001 (RG-212/U). Non-SWR swept version of RG-212.

**13 AWG** Stranded (7x21) .089" Bare Copper Conductor • Bare Copper Braid Shield (96% Coverage)


**Polyethylene Insulation • Black Non-contaminating PVC Jacket**

|  |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |       |      |      |      |
|--|-------------|----------|------|-------|-------|------|---------------|------|------|---------------------|------|-------|----|-----|------|-------|------|------|------|
| UL AWM Style 1354 (30V 60°C)   | <b>8267</b> | NEC: CMX | 500  | 152.4 | 59.5  | 27.0 | 13 AWG (7x21) | .285 | 7.24 | BC Braid            | .405 | 10.29 | 50 | 66% | 30.8 | 101.0 | 1    | .2   | .6   |
|  |             | CEC: CMX | 1000 | 304.8 | 117.0 | 53.1 | .089"         |      |      | 96% Shield Coverage |      |       |    |     |      |       | 10   | .6   | 1.8  |
|  |             |          |      |       |       |      | BC            |      |      | 1.2Ω/M'             |      |       |    |     |      |       | 50   | 1.3  | 4.3  |
|  |             |          |      |       |       |      | 1.7Ω/M'       |      |      | 3.9Ω/km             |      |       |    |     |      |       | 100  | 1.9  | 6.2  |
|  |             |          |      |       |       |      | 5.6Ω/km       |      |      |                     |      |       |    |     |      |       | 200  | 2.7  | 8.9  |
|  |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |       | 400  | 4.1  | 13.5 |
|  |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |       | 700  | 6.5  | 21.3 |
|  |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |       | 900  | 7.6  | 24.9 |
|  |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |       | 1000 | 8.0  | 26.2 |
|  |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |       | 4000 | 21.5 | 70.5 |

M17/163-00001 (RG-213/U). Non-SWR swept version of RG-213.

**13 AWG** Stranded (7x21) .089" Silver-plated Copper Conductor • Double Silver-plated Copper Braid Shield (97% Coverage)

**Polyethylene Insulation • Black Non-contaminating PVC Jacket**

|  |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |       |      |      |      |
|--|-------------|----------|------|-------|-------|------|---------------|------|------|---------------------|------|-------|----|-----|------|-------|------|------|------|
| UL AWM Style 1354 (30V 60°C)   | <b>8268</b> | NEC: CMX | 500  | 152.4 | 70.5  | 32.0 | 13 AWG (7x21) | .285 | 7.24 | (2) SPC Braids      | .425 | 10.80 | 50 | 66% | 30.8 | 101.0 | 1    | .2   | .6   |
|  |             | CEC: CMX | 1000 | 304.8 | 140.0 | 63.5 | .089"         |      |      | 97% Shield Coverage |      |       |    |     |      |       | 10   | .6   | 1.8  |
|  |             |          |      |       |       |      | SPC           |      |      | .7Ω/M'              |      |       |    |     |      |       | 50   | 1.3  | 4.3  |
|  |             |          |      |       |       |      | 1.7Ω/M'       |      |      | 2.3Ω/km             |      |       |    |     |      |       | 100  | 1.9  | 6.2  |
|  |             |          |      |       |       |      | 5.6Ω/km       |      |      |                     |      |       |    |     |      |       | 200  | 2.7  | 8.9  |
|  |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |       | 400  | 4.1  | 13.5 |
|  |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |       | 700  | 6.5  | 21.3 |
|  |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |       | 900  | 7.6  | 24.9 |
|  |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |       | 1000 | 8.0  | 26.2 |
|  |             |          |      |       |       |      |               |      |      |                     |      |       |    |     |      |       | 4000 | 20.0 | 65.6 |

M17/164-00001 (RG-214/U). Non-SWR swept version of RG-214.

BC = Bare Copper • DCR = DC Resistance • SPC = Silver-plated Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

# MIL-C-17G QPL Cable

75 Ohm Coax

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**30 AWG** Stranded (7x38) .012" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (94% Coverage)

| TFE Teflon® Insulation • Tinted Brown FEP Jacket |       |   |       |       |      |     |        |       |           |            |          |      |    |       |      |      |   |      |      |      |      |
|--|-------|---|-------|-------|------|-----|--------|-------|-----------|------------|----------|------|----|-------|------|------|---|------|------|------|------|
| 200°C  | 83264 | — | 100†  | 30.5  | 1.2  | .5  | 30 AWG | .062  | 1.58      | SPC Braid  | .100     | 2.54 | 75 | 69.5% | 19.5 | 64.0 | 1 | 3.0  | 9.8  |      |      |
| VW-1   |       |   | 500†  | 152.4 | 5.5  | 2.5 | (7x38) |       |           | 94% Shield |          |      |    |       |      |      |   | 10   | 5.3  | 17.4 |      |
|  |       |   | 1000† | 304.8 | 11.0 | 5.0 | .012"  |       |           |            | Coverage |      |    |       |      |      |   |      | 50   | 8.5  | 27.9 |
|  |       |   |       |       |      |     |        | SPCCS |           |            | 8.5Ω/M'  |      |    |       |      |      |   |      | 100  | 10.0 | 32.8 |
|  |       |   |       |       |      |     |        |       | 244.0Ω/M' |            |          |      |    |       |      |      |   | 200  | 12.5 | 41.0 |      |
|  |       |   |       |       |      |     |        |       | 801.0Ω/km |            |          |      |    |       |      |      |   | 400  | 16.0 | 52.5 |      |
|  |       |   |       |       |      |     |        |       |           |            |          |      |    |       |      |      |   | 700  | 19.7 | 64.6 |      |
|  |       |   |       |       |      |     |        |       |           |            |          |      |    |       |      |      |   | 900  | 22.3 | 73.2 |      |
|  |       |   |       |       |      |     |        |       |           |            |          |      |    |       |      |      |   | 1000 | 24.0 | 78.7 |      |

M17/94-RG179

**23 AWG** Solid .023" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)

| Polyethylene Insulation • Black Non-contaminating PVC Jacket |      |         |        |         |      |      |         |      |           |            |      |      |    |     |      |      |   |    |      |      |      |
|--|------|---------|--------|---------|------|------|---------|------|-----------|------------|------|------|----|-----|------|------|---|----|------|------|------|
| 60°C   | 9204 | NEC:    | 500    | 152.4   | 18.0 | 8.2  | 23 AWG  | .146 | 3.71      | BC Braid   | .241 | 6.12 | 75 | 66% | 20.5 | 67.3 | 1 | .6 | 2.0  |      |      |
| VW-1   |      | CMH     | U-1000 | U-304.8 | 38.0 | 17.3 | (solid) |      |           | 95% Shield |      |      |    |     |      |      |   | 10 | 1.1  | 3.6  |      |
|  |      | CEC:    | 1000   | 304.8   | 39.0 | 17.7 | .023"   |      |           | Coverage   |      |      |    |     |      |      |   |    | 50   | 2.4  | 7.9  |
|  |      | CMH FT1 |        |         |      |      | BCCS    |      |           | 2.6Ω/M'    |      |      |    |     |      |      |   |    | 100  | 3.4  | 11.2 |
|  |      |         |        |         |      |      |         |      | 47.0Ω/M'  |            |      |      |    |     |      |      |   |    | 200  | 4.9  | 16.1 |
|  |      |         |        |         |      |      |         |      | 154.2Ω/km |            |      |      |    |     |      |      |   |    | 400  | 7.0  | 23.0 |
|  |      |         |        |         |      |      |         |      |           |            |      |      |    |     |      |      |   |    | 700  | 9.7  | 31.8 |
|  |      |         |        |         |      |      |         |      |           |            |      |      |    |     |      |      |   |    | 900  | 11.1 | 36.4 |
|  |      |         |        |         |      |      |         |      |           |            |      |      |    |     |      |      |   |    | 1000 | 12.0 | 39.4 |

M17/29-RG59

**18 AWG** Stranded (7x26) .048" Tinned Copper Conductor • Bare Copper Braid Shield (97% Coverage)

| Polyethylene Insulation • Black Non-contaminating PVC Jacket |      |         |      |       |       |      |        |      |          |            |      |       |    |     |      |      |   |    |      |     |      |
|--|------|---------|------|-------|-------|------|--------|------|----------|------------|------|-------|----|-----|------|------|---|----|------|-----|------|
| 60°C   | 9212 | NEC:    | 1000 | 304.8 | 105.0 | 47.7 | 18 AWG | .285 | 7.24     | BC Braid   | .405 | 10.29 | 75 | 66% | 20.5 | 67.3 | 1 | .2 | .7   |     |      |
| VW-1   |      | CMH     |      |       |       |      | (7x26) |      |          | 97% Shield |      |       |    |     |      |      |   | 10 | .7   | 2.3 |      |
|  |      | CEC:    |      |       |       |      | .048"  |      |          | Coverage   |      |       |    |     |      |      |   |    | 50   | 1.3 | 4.3  |
|  |      | CMH FT1 |      |       |       |      | TC     |      |          | 1.2Ω/M'    |      |       |    |     |      |      |   |    | 100  | 2.0 | 6.6  |
|  |      |         |      |       |       |      |        |      | 6.1Ω/M'  |            |      |       |    |     |      |      |   |    | 200  | 2.9 | 9.5  |
|  |      |         |      |       |       |      |        |      | 20.0Ω/km |            |      |       |    |     |      |      |   |    | 400  | 4.2 | 13.8 |
|  |      |         |      |       |       |      |        |      |          |            |      |       |    |     |      |      |   |    | 700  | 5.8 | 19.0 |
|  |      |         |      |       |       |      |        |      |          |            |      |       |    |     |      |      |   |    | 900  | 6.9 | 22.6 |
|  |      |         |      |       |       |      |        |      |          |            |      |       |    |     |      |      |   |    | 1000 | 7.2 | 23.6 |

M17/6-RG11

**18 AWG** Stranded (7x26) .048" Tinned Copper Conductor • Double Bare Copper Braid Shield (95% Coverage)

| Polyethylene Insulation • Black Non-contaminating PVC Jacket |      |         |      |       |       |      |        |      |          |            |      |       |    |     |      |      |   |    |      |     |      |
|--|------|---------|------|-------|-------|------|--------|------|----------|------------|------|-------|----|-----|------|------|---|----|------|-----|------|
| 60°C   | 9850 | NEC:    | 1000 | 304.8 | 131.0 | 59.5 | 18 AWG | .285 | 7.24     | (2) BC     | .425 | 10.80 | 75 | 66% | 20.5 | 67.3 | 1 | .2 | .6   |     |      |
| VW-1   |      | CMH     |      |       |       |      | (7x26) |      |          | Braids     |      |       |    |     |      |      |   | 10 | .7   | 2.2 |      |
|  |      | CEC:    |      |       |       |      | .048"  |      |          | 95% Shield |      |       |    |     |      |      |   |    | 50   | 1.3 | 4.3  |
|  |      | CMH FT1 |      |       |       |      | TC     |      |          | Coverage   |      |       |    |     |      |      |   |    | 100  | 2.0 | 6.6  |
|  |      |         |      |       |       |      |        |      | 6.1Ω/M'  |            |      |       |    |     |      |      |   |    | 200  | 2.9 | 9.5  |
|  |      |         |      |       |       |      |        |      | 20.0Ω/km |            |      |       |    |     |      |      |   |    | 400  | 4.2 | 13.8 |
|  |      |         |      |       |       |      |        |      |          |            |      |       |    |     |      |      |   |    | 700  | 5.8 | 19.0 |
|  |      |         |      |       |       |      |        |      |          |            |      |       |    |     |      |      |   |    | 900  | 6.8 | 22.3 |
|  |      |         |      |       |       |      |        |      |          |            |      |       |    |     |      |      |   |    | 1000 | 7.1 | 23.3 |

M17/77-RG216

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • SPCCS = Silver-plated Copper-covered Steel • TC = Tinned Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

†May contain more than one piece, minimum length of any 1 piece is 25 feet.

Teflon is a DuPont trademark.



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)

# MIL-C-17G QPL Cable

93 Ohm, 95 Ohm and 125 Ohm Coax

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                        | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**93 Ohm • 22 AWG** Solid .025" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)

| Semi-solid Polyethylene Insulation • Black Non-contaminating PVC Jacket |             |                      |      |       |      |      |  |      |      |  |      |      |    |     |      |      |      |     |      |
|---|-------------|----------------------|------|-------|------|------|--|------|------|--|------|------|----|-----|------|------|------|-----|------|
| UL AWM Style 1354 (30V 60°C)  | <b>9862</b> | NEC: CMX<br>CEC: CMX | 1000 | 304.8 | 37.0 | 16.8 | 22 AWG (solid)<br>.025"<br>BCCS<br>41.2Ω/M'<br>135.2Ω/km | .146 | 3.71 | BC Braid<br>95% Shield<br>Coverage<br>2.9Ω/M'<br>9.5Ω/km | .242 | 6.15 | 93 | 84% | 13.5 | 44.3 | 1    | .3  | 1.0  |
|   |             |                      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 10   | .9  | 3.0  |
|   |             |                      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 50   | 1.9 | 6.2  |
|   |             |                      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 100  | 2.7 | 8.9  |
|   |             |                      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 200  | 3.8 | 12.5 |
|   |             |                      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 400  | 5.3 | 17.4 |
|   |             |                      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 700  | 7.3 | 24.0 |
|   |             |                      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 900  | 8.2 | 26.9 |
|   |             |                      |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 1000 | 8.7 | 28.5 |

M17/30-RG62

**93 Ohm • 22 AWG** Solid .025" Bare Copper-covered Steel Conductor • BC Outer Braid/TC Inner Braid Shield (95% Coverage)

| Semi-solid Polyethylene Insulation • Black Polyethylene Jacket |             |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      |      |     |      |
|--|-------------|---|------|-------|------|------|--|------|------|--|------|------|----|-----|------|------|------|-----|------|
| 85°C   | <b>9169</b> | — | 1000 | 304.8 | 46.0 | 20.9 | 22 AWG (solid)<br>.025"<br>BCCS<br>41.2Ω/M'<br>135.2Ω/km | .146 | 3.71 | (2) Braids<br>Inner:<br>BC<br>Outer:<br>TC<br>95% Shield<br>Coverage<br>1.5Ω/M'<br>4.9Ω/km | .245 | 6.22 | 93 | 84% | 13.5 | 44.3 | 1    | .3  | 1.0  |
|  |             |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 10   | .9  | 3.0  |
|  |             |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 50   | 1.9 | 6.2  |
|  |             |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 100  | 2.7 | 8.9  |
|  |             |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 200  | 3.8 | 12.5 |
|  |             |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 400  | 5.3 | 17.4 |
|  |             |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 700  | 7.3 | 24.0 |
|  |             |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 900  | 8.2 | 26.9 |
|  |             |   |      |       |      |      |  |      |      |  |      |      |    |     |      |      | 1000 | 8.7 | 28.5 |

M17/90-RG71

**95 Ohm • 30 AWG** Stranded (7x38) .012" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (91% Coverage)

| TFE Teflon® Insulation • Tinted Brown FEP Jacket |              |   |       |       |      |     |   |      |      |  |      |      |    |       |      |      |      |      |      |
|--|--------------|---|-------|-------|------|-----|---|------|------|--|------|------|----|-------|------|------|------|------|------|
| 200°C<br>VW-1                                    | <b>83266</b> | — | 1000† | 304.8 | 20.0 | 9.1 | 30 AWG (7x38)<br>.012"<br>SPCCS<br>244.0Ω/M'<br>801.0Ω/km | .102 | 2.60 | SPC Braid<br>91% Shield<br>Coverage<br>6.5Ω/M'<br>21.3Ω/km | .141 | 3.58 | 95 | 69.5% | 15.0 | 49.2 | 1    | 2.4  | 7.9  |
|  |              |   |       |       |      |     |   |      |      |  |      |      |    |       |      |      | 10   | 3.3  | 10.8 |
|  |              |   |       |       |      |     |   |      |      |  |      |      |    |       |      |      | 50   | 4.6  | 15.1 |
|  |              |   |       |       |      |     |   |      |      |  |      |      |    |       |      |      | 100  | 5.7  | 18.7 |
|  |              |   |       |       |      |     |   |      |      |  |      |      |    |       |      |      | 200  | 7.6  | 24.9 |
|  |              |   |       |       |      |     |   |      |      |  |      |      |    |       |      |      | 400  | 10.7 | 35.1 |
|  |              |   |       |       |      |     |   |      |      |  |      |      |    |       |      |      | 700  | 14.9 | 48.9 |
|  |              |   |       |       |      |     |   |      |      |  |      |      |    |       |      |      | 900  | 15.9 | 52.2 |
|  |              |   |       |       |      |     |   |      |      |  |      |      |    |       |      |      | 1000 | 17.0 | 55.8 |

M17/95-RG180

**125 Ohm • 22 AWG** Solid .025" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (97% Coverage)

| Semi-solid Polyethylene Insulation • Black Non-contaminating PVC Jacket |             |                          |      |       |      |      |  |      |      |  |      |       |     |     |     |      |      |     |      |
|---|-------------|--------------------------|------|-------|------|------|--|------|------|--|------|-------|-----|-----|-----|------|------|-----|------|
| 60°C  | <b>9857</b> | NEC: CMH<br>CEC: CMH FT1 | 1000 | 304.8 | 94.0 | 42.6 | 22 AWG (solid)<br>.025"<br>BCCS<br>41.2Ω/M'<br>135.2Ω/km | .285 | 7.24 | BC Braid<br>97% Shield<br>Coverage<br>1.2Ω/M'<br>3.9Ω/km | .405 | 10.29 | 125 | 84% | 9.7 | 31.8 | 1    | .2  | 1.0  |
|   |             |                          |      |       |      |      |  |      |      |  |      |       |     |     |     |      | 10   | .5  | 1.6  |
|   |             |                          |      |       |      |      |  |      |      |  |      |       |     |     |     |      | 50   | 1.1 | 3.6  |
|   |             |                          |      |       |      |      |  |      |      |  |      |       |     |     |     |      | 100  | 1.5 | 4.9  |
|   |             |                          |      |       |      |      |  |      |      |  |      |       |     |     |     |      | 200  | 2.3 | 7.5  |
|   |             |                          |      |       |      |      |  |      |      |  |      |       |     |     |     |      | 400  | 3.4 | 11.2 |
|   |             |                          |      |       |      |      |  |      |      |  |      |       |     |     |     |      | 700  | 4.6 | 15.1 |
|   |             |                          |      |       |      |      |  |      |      |  |      |       |     |     |     |      | 900  | 5.5 | 18.0 |
|   |             |                          |      |       |      |      |  |      |      |  |      |       |     |     |     |      | 1000 | 5.8 | 19.0 |

M17/31-RG63

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • SPC = Silver-plated Copper • SPCCS = Silver-plated Copper-covered Steel • TC = Tinned Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

†May contain more than 1 piece, minimum length of any one piece is 25 feet.

Teflon is a DuPont trademark.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

# MIL-C-17G QPL Cable

Twinax

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Twinax • 24 AWG** Stranded (19x36) .024" Silver-coated High-Strength Copper Alloy Conductor • SCHSCA Braid Shield (93% Coverage)

**TFE Teflon® Insulation • Blue PFA Jacket** (Color Code: White, Blue)

|       |              |   |                   |       |      |     |   |      |      |                                  |      |      |    |     |      |      |      |      |       |
|-------|--------------|---|-------------------|-------|------|-----|---|------|------|----------------------------------|------|------|----|-----|------|------|------|------|-------|
| 200°C | <b>81553</b> | — | 500 <sup>†</sup>  | 152.4 | 9.0  | 4.1 | 24 AWG<br>(19x36)                       | .084 | 2.13 | SCHSCA<br>93% Shield<br>Coverage | .129 | 3.28 | 77 | 70% | 24.0 | 78.7 | 1    | 1.2  | 3.9   |
|       |              |   | 1000 <sup>†</sup> | 304.8 | 16.0 | 7.3 | .024"<br>SCHSCA<br>24.0Ω/M'<br>78.7Ω/km |      |      | 7.3Ω/M'<br>24.0Ω/km              |      |      |    |     |      |      | 10   | 4.0  | 13.1  |
|       |              |   |                   |       |      |     |   |      |      |                                  |      |      |    |     |      |      | 50   | 9.2  | 30.2  |
|       |              |   |                   |       |      |     |   |      |      |                                  |      |      |    |     |      |      | 100  | 13.0 | 42.7  |
|       |              |   |                   |       |      |     |   |      |      |                                  |      |      |    |     |      |      | 200  | 18.4 | 60.4  |
|       |              |   |                   |       |      |     |   |      |      |                                  |      |      |    |     |      |      | 400  | 26.1 | 85.6  |
|       |              |   |                   |       |      |     |   |      |      |                                  |      |      |    |     |      |      | 700  | 34.6 | 113.5 |
|       |              |   |                   |       |      |     |   |      |      |                                  |      |      |    |     |      |      | 900  | 39.3 | 128.9 |
|       |              |   |                   |       |      |     |   |      |      |                                  |      |      |    |     |      |      | 1000 | 41.4 | 135.8 |

M17/176-00002

**Twinax • 20 AWG** Stranded (7x28) .038" Tinned Copper Conductor • Tinned Copper Braid Shield (85% Coverage)

**Polyethylene Insulation • Black Non-contaminating PVC Jacket** (One conductor has bare strand for ID)

|      |             |   |      |       |      |      |                                    |      |      |                                    |      |      |    |     |      |      |     |      |      |
|------|-------------|---|------|-------|------|------|------------------------------------|------|------|------------------------------------|------|------|----|-----|------|------|-----|------|------|
| 85°C | <b>9859</b> | — | 1000 | 304.8 | 33.0 | 15.0 | 20 AWG<br>(7x28)                   | .158 | 4.01 | TC Braid<br>85% Shield<br>Coverage | .235 | 5.97 | 78 | 66% | 19.7 | 64.6 | 1   | .7   | 2.3  |
|      |             |   |      |       |      |      | .038"<br>TC<br>9.5Ω/M'<br>31.2Ω/km |      |      | 5.3Ω/M'<br>17.4Ω/km                |      |      |    |     |      |      | 10  | 2.3  | 7.5  |
|      |             |   |      |       |      |      |                                    |      |      |                                    |      |      |    |     |      |      | 50  | 5.2  | 17.1 |
|      |             |   |      |       |      |      |                                    |      |      |                                    |      |      |    |     |      |      | 100 | 7.5  | 24.6 |
|      |             |   |      |       |      |      |                                    |      |      |                                    |      |      |    |     |      |      | 200 | 11.0 | 36.1 |
|      |             |   |      |       |      |      |                                    |      |      |                                    |      |      |    |     |      |      | 400 | 16.0 | 52.5 |

M17/45-RG108

DCR = DC Resistance • PFA = Perfluoroalkoxy • SCHSCA = Silver-coated High-strength Copper Alloy • TC = Tinned Copper • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

<sup>†</sup>Spools may contain more than one piece. Minimum length of any one piece is 50 ft. Length may vary ±10% from length shown for spools or reels and ±5% UnReel® cartons.

 Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Teflon is a DuPont trademark.

# Special Audio, Communication and Instrumentation Cable

## Miniature Instrumentation and Low Triboelectric Noise Coax

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**Miniature • 28 AWG Solid .013" Tinned Copper Conductor • Bare Copper Braid Shield (90% Coverage)**

**Polypropylene Insulation • Black PVC Jacket**

|               |             |                                |     |      |    |    |  |      |     |  |      |      |    |     |      |       |      |      |       |
|---------------|-------------|--------------------------------|-----|------|----|----|--|------|-----|--|------|------|----|-----|------|-------|------|------|-------|
| 105°C<br>VW-1 | <b>8700</b> | NEC:<br>CMH<br>CEC:<br>CMH FT1 | 250 | 76.2 | .8 | .3 | 28 AWG (solid)<br>.013"<br>TC<br>66.9Ω/M'<br>219.5Ω/km | .023 | .58 | BC Braid<br>90% Shield<br>Coverage<br>28.7Ω/M'<br>94.2Ω/km | .054 | 1.37 | 32 | 66% | 55.2 | 181.1 | 1    | 2.5  | 8.2   |
|               |             |                                |     |      |    |    |  |      |     |  |      |      |    |     |      |       | 10   | 7.7  | 25.3  |
|               |             |                                |     |      |    |    |  |      |     |  |      |      |    |     |      |       | 50   | 17.2 | 56.4  |
|               |             |                                |     |      |    |    |  |      |     |  |      |      |    |     |      |       | 100  | 24.5 | 80.4  |
|               |             |                                |     |      |    |    |  |      |     |  |      |      |    |     |      |       | 200  | 34.8 | 114.2 |
|               |             |                                |     |      |    |    |  |      |     |  |      |      |    |     |      |       | 400  | 50.0 | 164.4 |
|               |             |                                |     |      |    |    |  |      |     |  |      |      |    |     |      |       | 700  | 66.0 | 216.5 |
|               |             |                                |     |      |    |    |  |      |     |  |      |      |    |     |      |       | 900  | 75.0 | 246.1 |
|               |             |                                |     |      |    |    |  |      |     |  |      |      |    |     |      |       | 1000 | 79.0 | 259.2 |

**Low Noise • RG-174/U Type • 26 AWG Stranded (7x34) .019" Bare Copper-covered Steel Conductor • TC Braid Shield (90% Coverage)**

**Polyethylene Insulation • Conductive Layer • Black PVC Jacket**

|      |             |   |      |       |     |     |   |      |      |  |      |      |    |     |    |     |   |   |   |
|------|-------------|---|------|-------|-----|-----|---|------|------|--|------|------|----|-----|----|-----|---|---|---|
| 60°C | <b>9239</b> | — | 100  | 30.5  | 1.0 | .5  | 26 AWG (7x34)<br>.019"<br>BCCS<br>97.0Ω/M'<br>318.3Ω/km | .044 | 1.12 | TC Braid<br>90% Shield<br>Coverage<br>14.0Ω/M'<br>45.9Ω/km | .101 | 2.57 | 50 | 62% | 38 | 125 | — | — | — |
|      |             |   | 500  | 152.4 | 4.5 | 2.0 |   |      |      |  |      |      |    |     |    |     |   |   |   |
|      |             |   | 1000 | 304.8 | 8.0 | 3.6 |   |      |      |  |      |      |    |     |    |     |   |   |   |

5mV peak-to-peak max.  
Not recommended for RF use.

**Low Noise • RG-59/U Type • 22 AWG Solid .025" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (93% Coverage)**

**Polyethylene Insulation • Conductive Layer • Black PVC Jacket**

|              |             |   |       |         |      |      |  |      |      |  |      |      |    |     |    |    |   |   |   |
|--------------|-------------|---|-------|---------|------|------|--|------|------|--|------|------|----|-----|----|----|---|---|---|
| 75°C<br>VW-1 | <b>9224</b> | — | U-500 | U-152.4 | 19.5 | 8.9  | 22 AWG (solid)<br>.025"<br>BCCS<br>54.0Ω/M'<br>177.0Ω/km | .146 | 3.71 | BC Braid<br>93% Shield<br>Coverage<br>2.5Ω/M'<br>8.2Ω/km | .242 | 6.15 | 75 | 65% | 22 | 72 | — | — | — |
|              |             |   | 1000  | 304.8   | 39.0 | 17.7 |  |      |      |  |      |      |    |     |    |    |   |   |   |

5mV peak-to-peak max.  
Not recommended for RF use.

**Low Noise • RG-58/U Type • 22 AWG Stranded (7x30) .030" TC Conductor • Duobond® II + TC Braid Shield (95% Coverage)**

**Polyethylene Insulation • Conductive Layer • Black PVC Jacket**

|              |             |   |      |       |      |      |  |      |      |  |      |      |    |     |    |     |   |   |   |
|--------------|-------------|---|------|-------|------|------|--|------|------|--|------|------|----|-----|----|-----|---|---|---|
| 80°C<br>VW-1 | <b>9223</b> | — | 100  | 30.5  | 3.4  | 1.5  | 22 AWG (7x30)<br>.030"<br>TC<br>10.8Ω/M'<br>35.4Ω/km | .112 | 2.85 | Duobond II*<br>+ 95%<br>TC Braid<br>100% Shield<br>Coverage<br>4.1Ω/M'<br>13.5Ω/km | .195 | 4.95 | 50 | 56% | 37 | 122 | — | — | — |
|              |             |   | 500  | 152.4 | 12.0 | 5.4  |  |      |      |  |      |      |    |     |    |     |   |   |   |
|              |             |   | 1000 | 304.8 | 24.0 | 10.9 |  |      |      |  |      |      |    |     |    |     |   |   |   |

8mV peak-to-peak max.  
Not recommended for RF use.

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

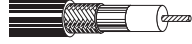


# Computer and Instrumentation Cable


## 50 Ohm Ethernet® Coax

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |


**Thinnet 10Base2 Ethernet • 20 AWG Stranded (19x32) .037" Conductor • Duobond® II + Overall TC Braid Shield (93% Coverage)**

| <b>Non-plenum • Foam Polyethylene Insulation • Gray PVC Jacket</b>  |             |      |        |         |      |      |         |      |      |             |      |      |    |     |      |      |     |     |      |      |      |      |     |      |      |      |      |      |
|---|-------------|------|--------|---------|------|------|---------|------|------|-------------|------|------|----|-----|------|------|-----|-----|------|------|------|------|-----|------|------|------|------|------|
|  <p>UL AWM Style 1354 (30V 60°C)</p> | <b>9907</b> | NEC: | 500    | 152.4   | 12.5 | 5.7  | 20 AWG  | .102 | 2.59 | Duobond II* | .185 | 4.70 | 50 | 80% | 25.4 | 83.3 | 1   | .4  | 1.4  |      |      |      |     |      |      |      |      |      |
|   |             | CL2  | U-1000 | U-304.8 | 24.0 | 10.9 | (19x32) |      |      | + 93%       |      |      |    |     |      |      |     | 10  | 1.3  | 4.3  |      |      |     |      |      |      |      |      |
|   |             | CM   | 1000   | 304.8   | 23.0 | 10.4 | .037"   |      |      | TC Braid    |      |      |    |     |      |      |     | 50  | 2.9  | 9.5  |      |      |     |      |      |      |      |      |
|   |             | CEC: | 1640   | 500.0   | 41.0 | 18.6 | TC      |      |      | 5.8Ω/M'     |      |      |    |     |      |      |     | 100 | 4.2  | 13.8 |      |      |     |      |      |      |      |      |
|   |             | CM   | 2500   | 762.0   | 62.5 | 28.4 | 8.8Ω/M' |      |      | 19.0Ω/km    |      |      |    |     |      |      |     | 200 | 6.1  | 20.0 |      |      |     |      |      |      |      |      |
|   |             |      |        |         |      |      |         |      |      |             |      |      |    |     |      |      | 400 | 8.9 | 29.2 | 700  | 12.1 | 39.7 | 900 | 13.9 | 45.6 | 1000 | 14.8 | 48.6 |

RG-58A/U Type  
DEC Part No. 17-01248-00

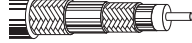
| <b>Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket</b>                              |              |         |       |       |      |      |         |      |      |             |      |      |    |     |      |      |     |     |      |      |      |      |     |      |      |      |      |      |
|--|--------------|---------|-------|-------|------|------|---------|------|------|-------------|------|------|----|-----|------|------|-----|-----|------|------|------|------|-----|------|------|------|------|------|
|  <p>150°C</p> | <b>89907</b> | NEC:    | 500   | 152.4 | 11.0 | 5.0  | 20 AWG  | .095 | 2.41 | Duobond II* | .160 | 4.06 | 50 | 80% | 25.4 | 83.3 | 1   | .4  | 1.4  |      |      |      |     |      |      |      |      |      |
|  |              | CMP     | 1000† | 304.8 | 22.0 | 10.0 | (19x32) |      |      | + 93%       |      |      |    |     |      |      |     | 10  | 1.3  | 4.3  |      |      |     |      |      |      |      |      |
|  |              | CL2P    | 2500† | 762.0 | 60.0 | 27.3 | .037"   |      |      | TC Braid    |      |      |    |     |      |      |     | 50  | 2.9  | 9.5  |      |      |     |      |      |      |      |      |
|  |              | CEC:    |       |       |      |      | TC      |      |      | 5.8Ω/M'     |      |      |    |     |      |      |     | 100 | 4.2  | 13.7 |      |      |     |      |      |      |      |      |
|  |              | CMP FT6 |       |       |      |      | 8.8Ω/M' |      |      | 19.0Ω/km    |      |      |    |     |      |      |     | 200 | 6.1  | 20.0 |      |      |     |      |      |      |      |      |
|  |              |         |       |       |      |      |         |      |      |             |      |      |    |     |      |      | 400 | 9.2 | 30.2 | 700  | 12.9 | 42.3 | 900 | 15.0 | 49.2 | 1000 | 16.0 | 52.5 |

RG-58A/U Type  
DEC Part No. 17-01246-00. Suitable for Outdoor applications.


| <b>Plenum • FPFA Insulation • Natural Flamarrest® Jacket</b>                                  |              |         |          |         |      |      |         |      |      |             |      |      |    |     |      |      |     |     |      |      |      |      |     |      |      |      |      |      |
|---|--------------|---------|----------|---------|------|------|---------|------|------|-------------|------|------|----|-----|------|------|-----|-----|------|------|------|------|-----|------|------|------|------|------|
|  <p>75°C</p> | <b>82907</b> | NEC:    | 500†     | 152.4   | 11.0 | 5.0  | 20 AWG  | .095 | 2.41 | Duobond II* | .160 | 4.06 | 50 | 80% | 25.4 | 83.3 | 1   | .4  | 1.4  |      |      |      |     |      |      |      |      |      |
|   |              | CMP     | U-1000†† | U-304.8 | 23.0 | 10.5 | (19x32) |      |      | + 93%       |      |      |    |     |      |      |     | 10  | 1.3  | 4.3  |      |      |     |      |      |      |      |      |
|   |              | CL2P    | 1000†    | 304.8   | 22.0 | 10.0 | .037"   |      |      | TC Braid    |      |      |    |     |      |      |     | 50  | 2.9  | 9.5  |      |      |     |      |      |      |      |      |
|   |              | CEC:    | 2500†    | 762.0   | 57.5 | 26.1 | TC      |      |      | 5.8Ω/M'     |      |      |    |     |      |      |     | 100 | 4.2  | 13.7 |      |      |     |      |      |      |      |      |
|   |              | CMP FT6 |          |         |      |      | 8.8Ω/M' |      |      | 19.0Ω/km    |      |      |    |     |      |      |     | 200 | 6.1  | 20.0 |      |      |     |      |      |      |      |      |
|   |              |         |          |         |      |      |         |      |      |             |      |      |    |     |      |      | 400 | 9.2 | 30.2 | 700  | 12.9 | 42.3 | 900 | 15.0 | 49.2 | 1000 | 16.0 | 52.5 |

RG-58A/U Type

**Thicknet 10Base5 Ethernet • 12 AWG Solid .086" Bare Copper Conductor • Duobond IV Quad Shield (100% Coverage)**

| <b>Non-plenum • Foam Polyethylene Insulation • Yellow PVC Jacket</b>  |             |      |      |       |       |      |         |      |      |                 |      |       |    |     |      |      |     |     |     |     |     |      |     |     |      |     |     |      |      |     |      |
|---|-------------|------|------|-------|-------|------|---------|------|------|-----------------|------|-------|----|-----|------|------|-----|-----|-----|-----|-----|------|-----|-----|------|-----|-----|------|------|-----|------|
|  <p>UL AWM Style 1478 (30V 60°C)</p> | <b>9880</b> | NEC: | 500  | 152.4 | 66.0  | 30.0 | 12 AWG  | .243 | 6.17 | Duobond IV*     | .405 | 10.29 | 50 | 78% | 26.0 | 85.3 | 1   | .2  | .6  |     |     |      |     |     |      |     |     |      |      |     |      |
|   |             | CL2  | 1000 | 304.8 | 131.0 | 59.5 | (solid) |      |      | (Duobond II     |      |       |    |     |      |      |     | 5   | .4  | 1.2 |     |      |     |     |      |     |     |      |      |     |      |
|   |             | CM   | 1640 | 500.0 | 219.8 | 99.7 | .086"   |      |      | + 94% TC Braid  |      |       |    |     |      |      |     | 10  | .5  | 1.7 |     |      |     |     |      |     |     |      |      |     |      |
|   |             | CEC: |      |       |       |      | BC      |      |      | + Duofoil®      |      |       |    |     |      |      |     | 50  | 1.2 | 3.9 |     |      |     |     |      |     |     |      |      |     |      |
|   |             | CM   |      |       |       |      | 1.4Ω/M' |      |      | + 90% TC Braid) |      |       |    |     |      |      |     | 100 | 1.7 | 5.6 |     |      |     |     |      |     |     |      |      |     |      |
|   |             |      |      |       |       |      |         |      |      |                 |      |       |    |     |      |      | 200 | 2.6 | 8.4 | 400 | 3.9 | 12.8 | 700 | 5.5 | 18.1 | 900 | 6.5 | 21.3 | 1000 | 6.9 | 22.6 |

DEC Part No. 17-00451-00  
Ring-band stripes marked every 2.5 meters to aid users in tap placement.

| <b>Plenum • Foam FEP Insulation • Orange Fluorocopolymer Jacket</b>                              |              |         |       |       |       |       |         |      |      |                 |      |      |    |     |      |      |     |     |     |     |     |      |     |     |      |     |     |      |      |     |      |
|--|--------------|---------|-------|-------|-------|-------|---------|------|------|-----------------|------|------|----|-----|------|------|-----|-----|-----|-----|-----|------|-----|-----|------|-----|-----|------|------|-----|------|
|  <p>150°C</p> | <b>89880</b> | NEC:    | 1000  | 304.8 | 134.0 | 60.9  | 12 AWG  | .245 | 6.22 | Duobond IV*     | .375 | 9.53 | 50 | 78% | 26.0 | 85.3 | 1   | .2  | .6  |     |     |      |     |     |      |     |     |      |      |     |      |
|  |              | CL2P    | 1640† | 500.0 | 224.7 | 102.1 | (solid) |      |      | (Duobond II     |      |      |    |     |      |      |     | 5   | .4  | 1.2 |     |      |     |     |      |     |     |      |      |     |      |
|  |              | CMP     |       |       |       |       | .086"   |      |      | + 90% TC Braid  |      |      |    |     |      |      |     | 10  | .5  | 1.7 |     |      |     |     |      |     |     |      |      |     |      |
|  |              | CEC:    |       |       |       |       | BC      |      |      | + Duofoil       |      |      |    |     |      |      |     | 50  | 1.2 | 3.8 |     |      |     |     |      |     |     |      |      |     |      |
|  |              | CMP FT6 |       |       |       |       | 1.4Ω/M' |      |      | + 90% TC Braid) |      |      |    |     |      |      |     | 100 | 1.7 | 5.4 |     |      |     |     |      |     |     |      |      |     |      |
|  |              |         |       |       |       |       |         |      |      |                 |      |      |    |     |      |      | 200 | 2.5 | 8.0 | 400 | 3.8 | 12.5 | 700 | 5.6 | 18.4 | 900 | 6.8 | 22.3 | 1000 | 7.2 | 23.6 |

DEC Part No. 17-00324-00  
Ring-band stripes marked every 2.5 meters to aid users in tap placement.  
Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • FPFA = Foam Perfluoroalkoxy • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.  
For cable manufactured to latest government revision or other MIL-SPEC requirements, please contact your nearest Belden Regional Sales Office.

\* Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).  
Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).  
† Final put-up length may vary from length shown ±10% for spools and reels, ±5% for UnReel® cartons.  
†† Length may vary -0/+10%.

# Computer and Instrumentation Cable

## 75 Ohm Coax

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                        | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**75 Ohm • 30 AWG** Stranded (7x38) .012" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (95% Coverage)

**TFE Teflon® Insulation • White TFE Tape Jacket**

|       |       |   |       |       |      |     |               |      |      |                     |      |      |    |       |      |      |   |      |      |      |
|-------|-------|---|-------|-------|------|-----|---------------|------|------|---------------------|------|------|----|-------|------|------|---|------|------|------|
| 200°C | 83267 | — | 100†  | 30.5  | 1.9  | .9  | 30 AWG (7x38) | .063 | 1.60 | SPC Braid           | .103 | 2.62 | 75 | 69.5% | 19.5 | 64.0 | 1 | 3.0  | 9.8  |      |
| VW-1  |       |   | 1000† | 304.8 | 11.0 | 5.0 | .012" SPCCS   |      |      | 95% Shield Coverage |      |      |    |       |      |      |   | 10   | 5.3  | 17.4 |
|       |       |   |       |       |      |     | 244.0Ω/M'     |      |      | 8.6Ω/M'             |      |      |    |       |      |      |   | 50   | 8.5  | 27.9 |
|       |       |   |       |       |      |     | 801.0Ω/km     |      |      | 28.2Ω/km            |      |      |    |       |      |      |   | 100  | 10.0 | 32.8 |
|       |       |   |       |       |      |     |               |      |      |                     |      |      |    |       |      |      |   | 200  | 12.5 | 41.0 |
|       |       |   |       |       |      |     |               |      |      |                     |      |      |    |       |      |      |   | 400  | 16.0 | 52.5 |
|       |       |   |       |       |      |     |               |      |      |                     |      |      |    |       |      |      |   | 700  | 19.7 | 64.6 |
|       |       |   |       |       |      |     |               |      |      |                     |      |      |    |       |      |      |   | 900  | 22.3 | 73.2 |
|       |       |   |       |       |      |     |               |      |      |                     |      |      |    |       |      |      |   | 1000 | 24.0 | 78.7 |

RG-187A/U Type • MIL-C-17D

**75 Ohm • Dual RG-59/U Type • 23 AWG** Solid .023" Bare Copper-covered Steel Conductors • Bare Copper Braid Shield (95% Coverage)

**Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket**

|                                |      |      |      |       |       |      |                |      |      |                     |      |       |    |     |      |      |   |      |      |      |
|--------------------------------|------|------|------|-------|-------|------|----------------|------|------|---------------------|------|-------|----|-----|------|------|---|------|------|------|
| UL AWM Style 20063 (300V 80°C) | 9555 | NEC: | 500  | 152.4 | 38.5  | 17.5 | 23 AWG (solid) | .146 | 3.71 | BC Braid            | .238 | 6.05  | 75 | 66% | 20.5 | 67.3 | 1 | .6   | 2.0  |      |
|                                |      | CM   | 1000 | 304.8 | 78.0  | 35.4 | .023" BCCS     |      |      | 95% Shield Coverage | x    | x     |    |     |      |      |   | 10   | 1.1  | 3.6  |
|                                |      | CEC: | 2000 | 609.6 | 152.0 | 69.0 | 50.0Ω/M'       |      |      | 2.6Ω/M'             | .478 | 12.14 |    |     |      |      |   | 50   | 2.4  | 7.9  |
|                                |      | CM   |      |       |       |      | 164.0Ω/km      |      |      | 8.5Ω/km             |      |       |    |     |      |      |   | 100  | 3.4  | 11.2 |
|                                |      |      |      |       |       |      |                |      |      |                     |      |       |    |     |      |      |   | 200  | 4.9  | 16.1 |
|                                |      |      |      |       |       |      |                |      |      |                     |      |       |    |     |      |      |   | 400  | 7.0  | 23.0 |
|                                |      |      |      |       |       |      |                |      |      |                     |      |       |    |     |      |      |   | 700  | 9.7  | 31.8 |
|                                |      |      |      |       |       |      |                |      |      |                     |      |       |    |     |      |      |   | 900  | 11.1 | 36.4 |
|                                |      |      |      |       |       |      |                |      |      |                     |      |       |    |     |      |      |   | 1000 | 12.0 | 39.4 |

**75 Ohm • Dual RG-59/U Type • 23 AWG** Solid .023" Bare Copper-covered Steel Conductors • Bare Copper Braid Shield (97% Coverage)

**Plenum • FEP Insulation • Clear FEP Jacket**

|       |       |         |      |       |      |      |                |      |      |                     |      |       |    |     |      |      |   |      |      |      |
|-------|-------|---------|------|-------|------|------|----------------|------|------|---------------------|------|-------|----|-----|------|------|---|------|------|------|
| 200°C | 89555 | NEC:    | 500  | 152.4 | 46.5 | 21.1 | 23 AWG (solid) | .134 | 3.40 | BC Braid            | .212 | 5.39  | 75 | 70% | 19.5 | 64.0 | 1 | .5   | 1.6  |      |
|       |       | CMP     | 1000 | 304.8 | 90.0 | 40.9 | .023" BCCS     |      |      | 97% Shield Coverage | x    | x     |    |     |      |      |   | 10   | 1.1  | 3.6  |
|       |       | CEC:    |      |       |      |      | 50.0Ω/M'       |      |      | 2.6Ω/M'             | .424 | 10.77 |    |     |      |      |   | 50   | 2.5  | 8.2  |
|       |       | CMP FT6 |      |       |      |      | 164.0Ω/km      |      |      | 8.5Ω/km             |      |       |    |     |      |      |   | 100  | 3.5  | 11.5 |
|       |       |         |      |       |      |      |                |      |      |                     |      |       |    |     |      |      |   | 200  | 5.1  | 16.7 |
|       |       |         |      |       |      |      |                |      |      |                     |      |       |    |     |      |      |   | 400  | 7.5  | 24.6 |
|       |       |         |      |       |      |      |                |      |      |                     |      |       |    |     |      |      |   | 700  | 10.4 | 34.1 |
|       |       |         |      |       |      |      |                |      |      |                     |      |       |    |     |      |      |   | 900  | 12.0 | 39.4 |
|       |       |         |      |       |      |      |                |      |      |                     |      |       |    |     |      |      |   | 1000 | 12.7 | 41.7 |

Suitable for Outdoor and Direct Burial applications.

**75 Ohm • RG-6/U Type • 18 AWG** Solid Bare Copper-covered Steel Conductor • Duobond® IV Quad Shield (100% Coverage)

**Non-Plenum • Gas-injected Foam Polyethylene Insulation • Gray PVC Jacket**

|  |       |         |        |       |      |      |                |      |      |                         |      |      |    |     |      |      |   |     |      |       |
|--|-------|---------|--------|-------|------|------|----------------|------|------|-------------------------|------|------|----|-----|------|------|---|-----|------|-------|
|  | 3131A | NEC:    | 1000   | 304.8 | 39.0 | 17.7 | 18 AWG (solid) | .180 | 4.57 | Duobond IV* Quad Shield | .300 | 7.62 | 75 | 82% | 16.2 | 53.2 | 1 | .35 | 1.15 |       |
|  |       | CL2R,   | 2500†† | 762.2 | 97.5 | 44.3 | .040" BCCS     |      |      | 3.6Ω/M'                 |      |      |    |     |      |      |   | 2   | .38  | 1.25  |
|  |       | CMR     |        |       |      |      | 28.0Ω/M'       |      |      | 11.8Ω/km                |      |      |    |     |      |      |   | 5   | .45  | 1.48  |
|  |       | CEC:    |        |       |      |      | 91.9Ω/km       |      |      |                         |      |      |    |     |      |      |   | 10  | .59  | 1.94  |
|  |       | CMP FT4 |        |       |      |      |                |      |      |                         |      |      |    |     |      |      |   | 20  | .86  | 2.82  |
|  |       |         |        |       |      |      |                |      |      |                         |      |      |    |     |      |      |   | 50  | 1.37 | 4.50  |
|  |       |         |        |       |      |      |                |      |      |                         |      |      |    |     |      |      |   | 100 | 1.97 | 6.46  |
|  |       |         |        |       |      |      |                |      |      |                         |      |      |    |     |      |      |   | 200 | 2.82 | 9.25  |
|  |       |         |        |       |      |      |                |      |      |                         |      |      |    |     |      |      |   | 300 | 3.48 | 11.42 |
|  |       |         |        |       |      |      |                |      |      |                         |      |      |    |     |      |      |   | 400 | 4.04 | 13.26 |

Sweep tested 5 MHz to 400 MHz. CPE jacket optional.

**Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket**

|       |       |         |      |       |      |      |                |      |      |                         |      |      |    |     |      |      |   |     |      |       |
|-------|-------|---------|------|-------|------|------|----------------|------|------|-------------------------|------|------|----|-----|------|------|---|-----|------|-------|
| 150°C | 3132A | NEC:    | 1000 | 304.8 | 36.0 | 16.4 | 18 AWG (solid) | .170 | 4.32 | Duobond IV* Quad Shield | .274 | 6.96 | 75 | 82% | 16.3 | 53.5 | 1 | .36 | 1.18 |       |
|       |       | CMP     |      |       |      |      | .040" BCCS     |      |      | 7.2Ω/M'                 |      |      |    |     |      |      |   | 2   | .38  | 1.25  |
|       |       | CEC:    |      |       |      |      | 28.0Ω/M'       |      |      | 23.6Ω/km                |      |      |    |     |      |      |   | 5   | .50  | 1.64  |
|       |       | CMP FT6 |      |       |      |      | 19.9Ω/km       |      |      |                         |      |      |    |     |      |      |   | 10  | .65  | 2.13  |
|       |       |         |      |       |      |      |                |      |      |                         |      |      |    |     |      |      |   | 20  | .95  | 3.12  |
|       |       |         |      |       |      |      |                |      |      |                         |      |      |    |     |      |      |   | 50  | 1.50 | 4.92  |
|       |       |         |      |       |      |      |                |      |      |                         |      |      |    |     |      |      |   | 100 | 2.12 | 6.96  |
|       |       |         |      |       |      |      |                |      |      |                         |      |      |    |     |      |      |   | 200 | 2.99 | 9.81  |
|       |       |         |      |       |      |      |                |      |      |                         |      |      |    |     |      |      |   | 300 | 3.66 | 12.01 |
|       |       |         |      |       |      |      |                |      |      |                         |      |      |    |     |      |      |   | 400 | 4.23 | 13.88 |

Suitable for Outdoor and Direct Burial applications.

**75 Ohm • RG-11/U Type • 14 AWG** Solid Bare Copper-covered Steel Conductor • Duobond IV Quad Shield (100% Coverage)

**Non-Plenum • Gas-injected Foam Polyethylene Insulation • Gray PVC Jacket**

|  |       |         |      |       |       |      |                |      |      |                         |      |       |    |     |      |      |   |     |      |      |
|--|-------|---------|------|-------|-------|------|----------------|------|------|-------------------------|------|-------|----|-----|------|------|---|-----|------|------|
|  | 3094A | NEC:    | 500  | 152.4 | 34.5  | 15.7 | 14 AWG (solid) | .280 | 7.11 | Duobond IV* Quad Shield | .407 | 10.34 | 75 | 82% | 16.2 | 53.2 | 1 | .16 | .53  |      |
|  |       | CL2R,   | 1000 | 304.8 | 69.0  | 31.3 | .064" BCCS     |      |      | 1.5Ω/M'                 |      |       |    |     |      |      |   | 2   | .18  | .59  |
|  |       | CMR     | 2000 | 609.6 | 136.0 | 61.7 | 11.0Ω/M'       |      |      | 4.9Ω/km                 |      |       |    |     |      |      |   | 5   | .26  | .85  |
|  |       | CEC:    |      |       |       |      | 36.1Ω/km       |      |      |                         |      |       |    |     |      |      |   | 10  | .38  | 1.25 |
|  |       | CMP FT4 |      |       |       |      |                |      |      |                         |      |       |    |     |      |      |   | 20  | .55  | 1.81 |
|  |       |         |      |       |       |      |                |      |      |                         |      |       |    |     |      |      |   | 50  | .83  | 2.72 |
|  |       |         |      |       |       |      |                |      |      |                         |      |       |    |     |      |      |   | 100 | 1.17 | 3.84 |
|  |       |         |      |       |       |      |                |      |      |                         |      |       |    |     |      |      |   | 200 | 1.60 | 5.25 |
|  |       |         |      |       |       |      |                |      |      |                         |      |       |    |     |      |      |   | 300 | 1.99 | 6.53 |
|  |       |         |      |       |       |      |                |      |      |                         |      |       |    |     |      |      |   | 400 | 2.30 | 7.55 |

Tap marks every 2.6 meters to aid users in installation.

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • SPC = Silver-coated Copper • SPCCS = Silver-coated Copper-covered Steel • TFE = Tetra Fluoroethylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\* Duobond IV = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

† May contain more than one piece, minimum length of any one piece is 25 ft.

†† Spools may contain more than one piece. Final put-up may vary ±10% for spools and reels and ±5% for UnReel® cartons. 25 feet minimum length.

Teflon is a DuPont trademark.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

# Computer and Instrumentation Cable

75 Ohm and 93 Ohm Coax

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor<br>(stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding<br>Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp.<br>(Ω) | Nom. Vel.<br>of Prop. | Nominal Capacitance |      | Nominal Attenuation |                |             |
|-------------|----------|------------------------------|------------------|---|----------------------|----|--|-----------------|----|------------------------------------|------------|----|------------------|-----------------------|---------------------|------|---------------------|----------------|-------------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |  | Inch            | mm |                                    | Inch       | mm |                  |                       | pF/Ft.              | pF/m | MHz                 | dB/<br>100 Ft. | dB/<br>100m |

**75 Ohm • RG-11/U Type • 14 AWG Solid Bare Copper-covered Steel Conductor • Duobond IV Quad Shield (100% Coverage)**

**Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket**

|       |              |  |      |       |      |      |  |      |      |  |      |      |    |     |      |      |   |     |     |     |      |     |      |      |      |      |      |      |       |
|-------|--------------|--|------|-------|------|------|--|------|------|--|------|------|----|-----|------|------|---|-----|-----|-----|------|-----|------|------|------|------|------|------|-------|
| 150°C | <b>3095A</b> | NEC:<br>CMP:<br>PLTC:<br>CEC:<br>CMP FT6 | 1000 | 304.8 | 76.0 | 34.5 | 14 AWG<br>(solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond IV*<br>(solid)<br>Quad Shield<br>3.9Ω/M'<br>12.8Ω/km | .387 | 9.83 | 75 | 82% | 16.5 | 54.1 | 1 | .20 | .70 | .39 | 1.30 | .20 | 1.30 | 1.70 | 5.60 | 2.50 | 8.20 | 3.50 | 11.50 |
|-------|--------------|--|------|-------|------|------|--|------|------|--|------|------|----|-----|------|------|---|-----|-----|-----|------|-----|------|------|------|------|------|------|-------|

Suitable for Outdoor and Direct Burial applications.  
Tap marks every 2.6 meters to aid users in installation.

**93 Ohm • RG-62B/U Type • 24 AWG Stranded (7x32) .024" Bare Copper-covered Steel Conductor • BC Braid Shield (95% Coverage)**

**Semi-solid Polyethylene Insulation • Black Non-contaminating PVC Jacket**

|  |             |                             |             |                |              |             |  |      |      |  |      |      |    |     |      |      |   |    |     |    |     |     |     |     |     |     |      |     |      |     |      |      |      |      |      |
|--|-------------|-----------------------------|-------------|----------------|--------------|-------------|--|------|------|--|------|------|----|-----|------|------|---|----|-----|----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|------|------|------|------|------|
| UL AWM<br>Style 1354<br>(30V 60°C)<br>VW-1 | <b>8255</b> | NEC:<br>CMX:<br>CEC:<br>CMX | 500<br>1000 | 152.4<br>304.8 | 16.5<br>36.0 | 7.5<br>16.3 | 24 AWG<br>(7x32)<br>.024"<br>BCCS<br>59.0Ω/M'<br>193.6Ω/km | .146 | 3.71 | BC Braid<br>95% Shield<br>Coverage<br>2.9Ω/M'<br>9.5Ω/km | .242 | 6.15 | 93 | 84% | 13.5 | 44.3 | 1 | .3 | 1.0 | .9 | 3.0 | 2.0 | 6.6 | 2.9 | 9.5 | 4.2 | 13.8 | 6.1 | 20.0 | 8.6 | 28.2 | 10.1 | 33.1 | 11.1 | 36.4 |
|--|-------------|-----------------------------|-------------|----------------|--------------|-------------|--|------|------|--|------|------|----|-----|------|------|---|----|-----|----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|------|------|------|------|------|

MIL-C-17D

**93 Ohm • RG-62/U Type • JAN-C-17A • 22 AWG Solid .025" Bare Copper-covered Steel Conductor • BC Braid Shield (95% Coverage)**

**Semi-solid Polyethylene Insulation • Black PVC Jacket**

|      |             |   |              |                  |              |            |   |      |      |  |      |      |    |     |      |      |   |    |    |    |     |     |     |     |     |     |      |     |      |     |      |     |      |     |      |
|------|-------------|---|--------------|------------------|--------------|------------|---|------|------|--|------|------|----|-----|------|------|---|----|----|----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|
| 75°C | <b>8254</b> | — | U-500<br>500 | U-152.4<br>152.4 | 18.0<br>16.5 | 8.2<br>7.5 | 22 AWG<br>(solid)<br>.025"<br>BCCS<br>41.2Ω/M'<br>135.1Ω/km | .146 | 3.71 | BC Braid<br>95% Shield<br>Coverage<br>2.9Ω/M'<br>9.5Ω/km | .238 | 6.05 | 93 | 84% | 13.5 | 44.3 | 1 | .3 | .8 | .9 | 2.8 | 1.9 | 6.2 | 2.7 | 8.9 | 3.8 | 12.5 | 5.3 | 17.4 | 7.3 | 23.9 | 8.2 | 26.9 | 8.7 | 28.5 |
|------|-------------|---|--------------|------------------|--------------|------------|---|------|------|--|------|------|----|-----|------|------|---|----|----|----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|

**93 Ohm • RG-62A/U Type • 22 AWG Solid .025" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)**

**Semi-solid Polyethylene Insulation • Black High-density Polyethylene Jacket**

|                        |             |   |                             |                                   |                               |                             |   |      |      |  |      |      |    |     |      |      |   |    |    |    |     |     |     |     |     |     |      |     |      |     |      |     |      |     |      |
|------------------------|-------------|---|-----------------------------|-----------------------------------|-------------------------------|-----------------------------|---|------|------|--|------|------|----|-----|------|------|---|----|----|----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|
| Flooded Burial<br>80°C | <b>9228</b> | — | 500<br>1000<br>2000<br>5000 | 152.4<br>304.8<br>609.6<br>1524.0 | 15.0<br>33.0<br>68.0<br>170.0 | 6.8<br>15.0<br>30.9<br>77.3 | 22 AWG<br>(solid)<br>.025"<br>BCCS<br>41.2Ω/M'<br>135.1Ω/km | .146 | 3.71 | BC Braid<br>95% Shield<br>Coverage<br>2.9Ω/M'<br>9.5Ω/km | .242 | 6.15 | 93 | 84% | 13.5 | 44.3 | 1 | .3 | .8 | .9 | 2.8 | 1.9 | 6.2 | 2.7 | 8.9 | 3.8 | 12.5 | 5.3 | 17.4 | 7.3 | 23.9 | 8.2 | 26.9 | 8.7 | 28.5 |
|------------------------|-------------|---|-----------------------------|-----------------------------------|-------------------------------|-----------------------------|---|------|------|--|------|------|----|-----|------|------|---|----|----|----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|

Suitable for Outdoor and Direct Burial applications.

**Semi-solid Polyethylene Insulation • Black PVC Jacket**

|                                    |             |                              |                               |                                    |                              |                             |   |      |      |  |      |      |    |     |      |      |   |    |    |    |     |     |     |     |     |     |      |     |      |     |      |     |      |     |      |
|------------------------------------|-------------|------------------------------|-------------------------------|------------------------------------|------------------------------|-----------------------------|---|------|------|--|------|------|----|-----|------|------|---|----|----|----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|
| UL AWM<br>Style 1478<br>(30V 60°C) | <b>9268</b> | NEC:<br>CM CL2<br>CEC:<br>CM | 500<br>U-1000<br>1000<br>2000 | 152.4<br>U-304.8<br>304.8<br>609.6 | 20.0<br>42.0<br>44.0<br>88.0 | 9.1<br>19.1<br>20.0<br>40.0 | 22 AWG<br>(solid)<br>.025"<br>BCCS<br>41.2Ω/M'<br>135.1Ω/km | .146 | 3.71 | BC Braid<br>95% Shield<br>Coverage<br>2.9Ω/M'<br>9.5Ω/km | .260 | 6.60 | 93 | 84% | 13.5 | 44.3 | 1 | .3 | .8 | .9 | 2.8 | 1.9 | 6.2 | 2.7 | 8.9 | 3.8 | 12.5 | 5.3 | 17.4 | 7.3 | 23.9 | 8.2 | 26.9 | 8.7 | 28.5 |
|------------------------------------|-------------|------------------------------|-------------------------------|------------------------------------|------------------------------|-----------------------------|---|------|------|--|------|------|----|-----|------|------|---|----|----|----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|

IBM P/N 5252750 • Includes Mylar® tape as a moisture barrier for improved outdoor reliability.

|                                    |             |                              |  |  |  |  |   |      |      |  |      |      |    |     |      |      |   |    |    |    |     |     |     |     |     |     |      |     |      |     |      |     |      |     |      |
|------------------------------------|-------------|------------------------------|--|--|--|--|---|------|------|--|------|------|----|-----|------|------|---|----|----|----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|
| UL AWM<br>Style 1478<br>(30V 60°C) | <b>9269</b> | NEC:<br>CM CL2<br>CEC:<br>CM | U-500<br>500<br>U-1000<br>1000<br>1640<br>2000<br>3280<br>5000 | U-152.4<br>152.4<br>U-304.8<br>304.8<br>500.0<br>609.6<br>1000.0<br>1524.0 | 18.5<br>17.0<br>36.0<br>38.0<br>60.7<br>76.0<br>121.4<br>185.0 | 8.4<br>7.7<br>16.7<br>17.2<br>27.5<br>34.5<br>55.0<br>84.0 | 22 AWG<br>(solid)<br>.025"<br>BCCS<br>41.2Ω/M'<br>135.1Ω/km | .146 | 3.71 | BC Braid<br>95% Shield<br>Coverage<br>2.9Ω/M'<br>9.5Ω/km | .239 | 6.07 | 93 | 84% | 13.5 | 44.3 | 1 | .3 | .8 | .9 | 2.8 | 1.9 | 6.2 | 2.7 | 8.9 | 3.8 | 12.5 | 5.3 | 17.4 | 7.3 | 23.9 | 8.2 | 26.9 | 8.7 | 28.5 |
|------------------------------------|-------------|------------------------------|--|--|--|--|---|------|------|--|------|------|----|-----|------|------|---|----|----|----|-----|-----|-----|-----|-----|-----|------|-----|------|-----|------|-----|------|-----|------|

IBM P/N 323921 P-MSHA SC-1823\*\*

\*U-1000 put-up also available in Orange, Beige or Chrome.

For Plenum version of 9269,  
see 89269, 87269 and 82269.

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Mylar is a DuPont trademark.

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

For cables manufactured to latest government revision or other MIL-SPEC requirements, please contact your nearest Belden regional Sales Office.

\* Duobond IV = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).

\*\* Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration Certification.



For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

# Computer and Instrumentation Cable

## 93 Ohm Coax

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**RG-62/U Type • 22 AWG Solid .025" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (94% Coverage)**

**Plenum • Semi-solid FEP Teflon® Insulation • Black or White Tint FEP Jacket**

|       |              |                       |       |      |      |           |      |      |            |      |      |    |     |      |      |      |     |      |
|-------|--------------|-----------------------|-------|------|------|-----------|------|------|------------|------|------|----|-----|------|------|------|-----|------|
| 200°C | <b>89269</b> | NEC: 100 <sup>▲</sup> | 30.5  | 5.2  | 2.4  | 22 AWG    | .142 | 3.61 | BC Braid   | .200 | 5.08 | 93 | 85% | 12.8 | 42.0 | 1    | .3  | 1.0  |
|       |              | CMP 500               | 152.4 | 16.5 | 7.5  | (solid)   |      |      | 94% Shield |      |      |    |     |      |      | 10   | .9  | 3.0  |
|       |              | CEC: 1000             | 304.8 | 33.0 | 15.0 | .025"     |      |      | Coverage   |      |      |    |     |      |      | 50   | 1.9 | 6.2  |
|       |              | CMP FT6               |       |      |      | BCCS      |      |      | 3.4Ω/M'    |      |      |    |     |      |      | 100  | 2.7 | 8.9  |
|       |              |                       |       |      |      | 41.2Ω/M'  |      |      | 11.2Ω/km   |      |      |    |     |      |      | 200  | 3.8 | 12.5 |
|       |              |                       |       |      |      | 135.2Ω/km |      |      |            |      |      |    |     |      |      | 400  | 5.3 | 17.4 |
|       |              |                       |       |      |      |           |      |      |            |      |      |    |     |      |      | 700  | 7.3 | 23.9 |
|       |              |                       |       |      |      |           |      |      |            |      |      |    |     |      |      | 900  | 8.2 | 26.9 |
|       |              |                       |       |      |      |           |      |      |            |      |      |    |     |      |      | 1000 | 8.7 | 28.5 |

▲100 ft. put-up available in Black only.  
Suitable for Outdoor and Direct Burial applications.

**Plenum • Semi-solid FEP Teflon Insulation • Gray Fluorocopolymer Jacket**

|       |              |           |       |      |      |           |      |      |            |      |      |    |     |      |      |      |     |      |
|-------|--------------|-----------|-------|------|------|-----------|------|------|------------|------|------|----|-----|------|------|------|-----|------|
| 150°C | <b>87269</b> | NEC: 1000 | 304.8 | 34.0 | 15.4 | 22 AWG    | .142 | 3.61 | BC Braid   | .200 | 5.08 | 93 | 85% | 12.8 | 42.0 | 1    | .3  | 1.0  |
|       |              | CMP       |       |      |      | (solid)   |      |      | 94% Shield |      |      |    |     |      |      | 10   | .9  | 3.0  |
|       |              | CEC: 1000 |       |      |      | .025"     |      |      | Coverage   |      |      |    |     |      |      | 50   | 1.9 | 6.2  |
|       |              | CMP FT6   |       |      |      | BCCS      |      |      | 3.4Ω/M'    |      |      |    |     |      |      | 100  | 2.7 | 8.9  |
|       |              |           |       |      |      | 41.2Ω/M'  |      |      | 11.2Ω/km   |      |      |    |     |      |      | 200  | 3.8 | 12.5 |
|       |              |           |       |      |      | 135.2Ω/km |      |      |            |      |      |    |     |      |      | 400  | 5.3 | 17.4 |
|       |              |           |       |      |      |           |      |      |            |      |      |    |     |      |      | 700  | 7.3 | 23.9 |
|       |              |           |       |      |      |           |      |      |            |      |      |    |     |      |      | 900  | 8.2 | 26.9 |
|       |              |           |       |      |      |           |      |      |            |      |      |    |     |      |      | 1000 | 8.7 | 28.5 |

Suitable for Outdoor and Direct Burial applications.

**Plenum • Semi-solid FEP Teflon Insulation • Natural Flamarrest® Low-smoke Jacket**

|      |              |           |       |      |      |           |      |      |            |      |      |    |     |      |      |      |     |      |
|------|--------------|-----------|-------|------|------|-----------|------|------|------------|------|------|----|-----|------|------|------|-----|------|
| 75°C | <b>82269</b> | NEC: 1000 | 304.8 | 30.0 | 13.6 | 22 AWG    | .142 | 3.61 | BC Braid   | .200 | 5.08 | 93 | 85% | 12.8 | 42.0 | 1    | .3  | 1.0  |
|      |              | CMP       |       |      |      | (solid)   |      |      | 94% Shield |      |      |    |     |      |      | 10   | .9  | 3.0  |
|      |              | CEC: 1000 |       |      |      | .025"     |      |      | Coverage   |      |      |    |     |      |      | 50   | 1.9 | 6.2  |
|      |              | CMP FT6   |       |      |      | BCCS      |      |      | 3.4Ω/M'    |      |      |    |     |      |      | 100  | 2.7 | 8.9  |
|      |              |           |       |      |      | 41.2Ω/M'  |      |      | 11.2Ω/km   |      |      |    |     |      |      | 200  | 3.8 | 12.5 |
|      |              |           |       |      |      | 135.2Ω/km |      |      |            |      |      |    |     |      |      | 400  | 5.3 | 17.4 |
|      |              |           |       |      |      |           |      |      |            |      |      |    |     |      |      | 700  | 7.3 | 23.9 |
|      |              |           |       |      |      |           |      |      |            |      |      |    |     |      |      | 900  | 8.2 | 26.9 |
|      |              |           |       |      |      |           |      |      |            |      |      |    |     |      |      | 1000 | 8.7 | 28.5 |

**Plenum • Foam FEP Teflon Insulation • White Tint FEP Jacket**

|       |              |           |       |      |      |           |      |      |            |      |      |    |     |      |      |      |     |      |
|-------|--------------|-----------|-------|------|------|-----------|------|------|------------|------|------|----|-----|------|------|------|-----|------|
| 200°C | <b>86262</b> | NEC: 500  | 152.4 | 16.0 | 7.3  | 22 AWG    | .146 | 3.71 | BC Braid   | .204 | 5.18 | 93 | 85% | 12.5 | 41.0 | 1    | .3  | 1.8  |
|       |              | CMP 1000  | 304.8 | 32.0 | 14.5 | (solid)   |      |      | 94% Shield |      |      |    |     |      |      | 10   | .9  | 3.0  |
|       |              | CEC: 1000 |       |      |      | .025"     |      |      | Coverage   |      |      |    |     |      |      | 50   | 1.9 | 6.2  |
|       |              | CMP FT6   |       |      |      | BCCS      |      |      | 3.4Ω/M'    |      |      |    |     |      |      | 100  | 2.7 | 8.9  |
|       |              |           |       |      |      | 41.2Ω/M'  |      |      | 11.2Ω/km   |      |      |    |     |      |      | 200  | 3.8 | 12.5 |
|       |              |           |       |      |      | 135.2Ω/km |      |      |            |      |      |    |     |      |      | 400  | 5.3 | 17.4 |
|       |              |           |       |      |      |           |      |      |            |      |      |    |     |      |      | 700  | 7.3 | 23.9 |
|       |              |           |       |      |      |           |      |      |            |      |      |    |     |      |      | 900  | 8.2 | 26.9 |
|       |              |           |       |      |      |           |      |      |            |      |      |    |     |      |      | 1000 | 8.7 | 28.5 |

Suitable for Outdoor and Direct Burial applications.

**Plenum • Foam FEP Teflon Insulation • Natural Flamarrest Jacket**

|      |              |             |         |      |      |           |      |      |            |      |      |    |     |      |      |      |     |      |
|------|--------------|-------------|---------|------|------|-----------|------|------|------------|------|------|----|-----|------|------|------|-----|------|
| 75°C | <b>82262</b> | NEC: U-1000 | U-304.8 | 31.0 | 14.1 | 22 AWG    | .146 | 3.71 | BC Braid   | .204 | 5.18 | 93 | 85% | 12.5 | 41.0 | 1    | .3  | 1.8  |
|      |              | CMP 1000    | 304.8   | 30.0 | 13.6 | (solid)   |      |      | 94% Shield |      |      |    |     |      |      | 10   | .9  | 3.0  |
|      |              | CEC: 1000   |         |      |      | .025"     |      |      | Coverage   |      |      |    |     |      |      | 50   | 1.9 | 6.2  |
|      |              | CMP FT6     |         |      |      | BCCS      |      |      | 3.4Ω/M'    |      |      |    |     |      |      | 100  | 2.7 | 8.9  |
|      |              |             |         |      |      | 41.2Ω/M'  |      |      | 11.2Ω/km   |      |      |    |     |      |      | 200  | 3.8 | 12.5 |
|      |              |             |         |      |      | 135.2Ω/km |      |      |            |      |      |    |     |      |      | 400  | 5.3 | 17.4 |
|      |              |             |         |      |      |           |      |      |            |      |      |    |     |      |      | 700  | 7.3 | 23.9 |
|      |              |             |         |      |      |           |      |      |            |      |      |    |     |      |      | 900  | 8.2 | 26.9 |
|      |              |             |         |      |      |           |      |      |            |      |      |    |     |      |      | 1000 | 8.7 | 28.5 |

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

Teflon is a DuPont trademark.



# Computer and Instrumentation Cable

78 Ohm, 95 Ohm and 100 Ohm Twinax

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                        | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**78 Ohm • 20 AWG Stranded (7x28) .038" Tinned Copper Conductors • Tinned Copper Braid Shield (93% Coverage)**

**Polyethylene Insulation • Blue PVC Jacket (Color Code: Clear, Blue)**

|                               |             |         |      |       |      |      |               |      |      |                              |      |      |    |     |      |      |     |      |      |
|-------------------------------|-------------|---------|------|-------|------|------|---------------|------|------|------------------------------|------|------|----|-----|------|------|-----|------|------|
| UL AWM Style 2092 (300V 60°C) | <b>9272</b> | NEC: CM | 100  | 30.5  | 4.5  | 2.0  | 20 AWG (7x28) | .156 | 3.96 | TC Braid 93% Shield Coverage | .244 | 6.20 | 78 | 66% | 19.7 | 64.6 | 1   | .6   | 2.0  |
|                               |             | CEC: CM | 500  | 152.4 | 18.5 | 8.4  | .038"         |      |      | TC                           |      |      |    |     |      |      | 10  | 2.1  | 6.9  |
|                               |             |         | 1000 | 304.8 | 39.0 | 17.7 | 9.5Ω/M'       |      |      | 3.4Ω/M'                      |      |      |    |     |      |      | 50  | 5.0  | 16.4 |
|                               |             |         | 1000 | 304.8 | 41.0 | 18.6 | 31.2Ω/km      |      |      | 11.2Ω/km                     |      |      |    |     |      |      | 100 | 7.5  | 24.6 |
|                               |             |         |      |       |      |      |               |      |      |                              |      |      |    |     |      |      | 200 | 11.0 | 36.1 |
|                               |             |         |      |       |      |      |               |      |      |                              |      |      |    |     |      |      | 400 | 16.0 | 52.5 |

For Plenum version of 9272, see 89272.  
CPE jacket optional.



**Plenum • FEP Teflon® Insulation • Blue FEP Teflon Jacket (Color Code: Clear, Blue)**

|       |              |              |      |       |      |      |               |      |      |                              |      |      |    |       |      |      |     |      |      |
|-------|--------------|--------------|------|-------|------|------|---------------|------|------|------------------------------|------|------|----|-------|------|------|-----|------|------|
| 200°C | <b>89272</b> | NEC: CMP     | 500  | 152.4 | 17.0 | 7.7  | 20 AWG (7x28) | .148 | 3.76 | TC Braid 93% Shield Coverage | .198 | 5.03 | 78 | 69.5% | 18.4 | 60.4 | 1   | .6   | 2.0  |
|       |              | CEC: CMP FT6 | 1000 | 304.8 | 38.0 | 17.3 | .038"         |      |      | TC                           |      |      |    |       |      |      | 10  | 2.1  | 6.9  |
|       |              |              |      |       |      |      | 9.5Ω/M'       |      |      | 3.9Ω/M'                      |      |      |    |       |      |      | 50  | 5.0  | 16.4 |
|       |              |              |      |       |      |      | 31.2Ω/km      |      |      | 12.8Ω/km                     |      |      |    |       |      |      | 100 | 7.5  | 24.6 |
|       |              |              |      |       |      |      |               |      |      |                              |      |      |    |       |      |      | 200 | 11.0 | 36.1 |
|       |              |              |      |       |      |      |               |      |      |                              |      |      |    |       |      |      | 400 | 16.0 | 52.5 |

Suitable for Aerial applications when supported by a messenger.

**78 Ohm • 20 AWG Stranded (7x28) .038" Tinned Copper Conductors • Beldfoil® (100% Coverage) + TC Braid Shield (55% Coverage)**

**Polyethylene Insulation • Blue Sunlight-resistant PVC Jacket (Color Code: Clear, Blue)**

|                               |             |             |         |        |       |       |               |      |      |                         |      |      |    |     |      |      |     |      |      |
|-------------------------------|-------------|-------------|---------|--------|-------|-------|---------------|------|------|-------------------------|------|------|----|-----|------|------|-----|------|------|
| UL AWM Style 2464 (300V 80°C) | <b>9463</b> | NEC: CM CL2 | 100     | 30.5   | 4.4   | 2.0   | 20 AWG (7x28) | .154 | 3.91 | Beldfoil + 55% TC Braid | .238 | 6.05 | 78 | 66% | 19.7 | 64.6 | 1   | .6   | 2.0  |
|                               |             | CEC: CM     | 500     | 152.4  | 18.0  | 8.2   | .038"         |      |      | TC                      |      |      |    |     |      |      | 10  | 2.1  | 6.9  |
|                               |             |             | 1000    | 304.8  | 39.0  | 17.7  | 9.5Ω/M'       |      |      | 4.1Ω/M'                 |      |      |    |     |      |      | 50  | 3.6  | 11.8 |
|                               |             |             | 1000*   | 304.8  | 39.0  | 17.7  | 9.5Ω/M'       |      |      | 13.4Ω/km                |      |      |    |     |      |      | 100 | 7.5  | 24.6 |
|                               |             |             | 6000*†  | 1828.7 | 234.0 | 106.1 | 31.0Ω/km      |      |      |                         |      |      |    |     |      |      | 200 | 11.0 | 36.1 |
|                               |             |             | 10000*† | 3048.0 | 380.0 | 172.4 |               |      |      |                         |      |      |    |     |      |      | 400 | 16.0 | 52.5 |

CPE jacket optional.

PMSHA P-7K-SC-182141\*  
Allen Bradley P/N 1770-CD

\*10000 ft. and 6000 ft. put-ups also available in Brown, Orange and Purple. 10,000 ft. available in Brown or Orange only.

**RG-22B/U • 95 Ohm • 18 AWG Stranded (7x26) .046" Bare Copper Conductors\*\* • Double Tinned Copper Braid Shield (95% Coverage)**

**Polyethylene Insulation • PE Inner Jacket • Black Non-contaminating PVC Outer Jacket (Color Code: Clear, Clear)**

|           |             |   |      |       |       |      |               |      |      |                                   |      |       |    |     |      |      |     |     |      |
|-----------|-------------|---|------|-------|-------|------|---------------|------|------|-----------------------------------|------|-------|----|-----|------|------|-----|-----|------|
| 80°C VW-1 | <b>9250</b> | — | 500  | 152.4 | 61.5  | 27.9 | 18 AWG (7x26) | .285 | 7.24 | (2) TC Braids 95% Shield Coverage | .416 | 10.67 | 95 | 66% | 16.0 | 52.5 | 1   | .3  | 1.0  |
|           |             |   | 1000 | 304.8 | 121.0 | 54.9 | .046"         |      |      | BC                                |      |       |    |     |      |      | 10  | .9  | 3.0  |
|           |             |   |      |       |       |      | 6.6Ω/M'       |      |      | 3.0Ω/km                           |      |       |    |     |      |      | 20  | 1.3 | 4.3  |
|           |             |   |      |       |       |      | 21.5Ω/km      |      |      |                                   |      |       |    |     |      |      | 50  | 2.1 | 6.9  |
|           |             |   |      |       |       |      |               |      |      |                                   |      |       |    |     |      |      | 100 | 3.0 | 9.8  |
|           |             |   |      |       |       |      |               |      |      |                                   |      |       |    |     |      |      | 400 | 6.3 | 20.7 |

CPE jacket optional.

RG-22B/U Type

\*\*1 conductor has tinned center strand. Non-contaminating PVC jacket.

**100 Ohm • 20 AWG Stranded (7x28) .037" One Tinned/One Bare Copper Conductors • Duofoil® + Double TC Braid Shield (95% Coverage)**

**Polyethylene Insulation • Black High-density Polyethylene Jacket**

|                    |             |   |      |       |       |      |               |      |      |                              |      |      |     |     |      |      |     |      |      |
|--------------------|-------------|---|------|-------|-------|------|---------------|------|------|------------------------------|------|------|-----|-----|------|------|-----|------|------|
| Direct Burial 80°C | <b>9815</b> | — | 500  | 152.4 | 34.5  | 15.7 | 20 AWG (7x28) | .236 | 5.99 | TC Braid 95% Shield Coverage | .330 | 8.38 | 100 | 66% | 14.5 | 47.6 | 1   | .4   | 1.3  |
|                    |             |   | 1000 | 304.8 | 69.0  | 31.4 | .037"         |      |      | (1) TC, (1) BC               |      |      |     |     |      |      | 10  | 1.1  | 3.6  |
|                    |             |   | 2000 | 609.6 | 134.0 | 60.9 | 9.5Ω/M'       |      |      | 2.0Ω/M'                      |      |      |     |     |      |      | 50  | 2.5  | 8.2  |
|                    |             |   |      |       |       |      | 31.0Ω/km      |      |      | 6.6Ω/km                      |      |      |     |     |      |      | 100 | 4.1  | 13.5 |
|                    |             |   |      |       |       |      |               |      |      |                              |      |      |     |     |      |      | 200 | 6.4  | 21.0 |
|                    |             |   |      |       |       |      |               |      |      |                              |      |      |     |     |      |      | 400 | 10.2 | 33.5 |

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • PE = Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\* Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration Certification.

† Final put-up may vary from length shown. ±10% for spools or reels, ±5% for UnReel® cartons.

Teflon is a DuPont trademark.



For more information, contact Belden Technical Support: **1-800-BELDEN-1** • [www.belden.com](http://www.belden.com)

# Computer and Instrumentation Cable

100 Ohm, 124 Ohm and 150 Ohm Twinax

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**100 Ohm • 20 AWG** Stranded (7x28) .037" One TC/One BC Conductor • Duofoil® (100% Coverage) + TC Braid Shield (86% Coverage)

| Polyethylene Insulation • Polyethylene Inner Jacket • Black PVC Outer Jacket |             |         |       |         |       |       |          |      |      |          |      |      |     |     |      |      |     |      |      |
|--|-------------|---------|-------|---------|-------|-------|----------|------|------|----------|------|------|-----|-----|------|------|-----|------|------|
| 75°C   | <b>9207</b> | NEC:    | 100   | 30.5    | 7.1   | 3.2   | 20 AWG   | .236 | 5.99 | Duofoil  | .330 | 8.38 | 100 | 66% | 14.5 | 47.6 | 1   | .3   | 1.0  |
|  |             | CM CL2  | U-500 | U-152.4 | 33.0  | 15.0  | (7x28)   |      |      | +86%     |      |      |     |     |      |      | 10  | 1.2  | 3.9  |
|  |             | CEC:    | 500   | 152.4   | 34.5  | 15.7  | .037"    |      |      | TC Braid |      |      |     |     |      |      | 50  | 2.8  | 9.2  |
|  |             | CMG FT4 | 1000  | 304.8   | 68.0  | 30.9  | (1) TC,  |      |      | 1.7Ω/M'  |      |      |     |     |      |      | 100 | 4.1  | 13.5 |
|  |             |         | 1640  | 500.0   | 111.5 | 50.7  | (1) BC   |      |      | 5.7Ω/km  |      |      |     |     |      |      | 200 | 6.4  | 21.0 |
|  |             |         | 2000  | 609.6   | 136.0 | 61.8  | 9.5Ω/M'  |      |      |          |      |      |     |     |      |      | 400 | 10.2 | 33.5 |
|  |             |         | 3280  | 1000.0  | 219.8 | 99.9  | 31.0Ω/km |      |      |          |      |      |     |     |      |      |     |      |      |
|  |             |         | 5000  | 1524.0  | 350.0 | 159.1 |          |      |      |          |      |      |     |     |      |      |     |      |      |

IBM P/N 7362211

**100 Ohm • 20 AWG** Stranded (7x28) .037" One TC/One BC Conductor • Duofoil (100% Coverage) + TC Braid Shield (85% Coverage)

| Plenum • FEP Insulation • Black FEP Jacket |              |         |      |       |      |      |                |      |      |          |      |      |     |       |      |      |     |      |      |
|--|--------------|---------|------|-------|------|------|----------------|------|------|----------|------|------|-----|-------|------|------|-----|------|------|
| 200°C                                      | <b>89207</b> | NEC:    | 100  | 30.5  | 6.7  | 3.0  | 20 AWG         | .201 | 5.11 | Duofoil  | .259 | 6.58 | 100 | 69.5% | 14.0 | 46.0 | 1   | .3   | 1.0  |
|  |              | CMP     | 500  | 152.4 | 26.0 | 11.8 | (7x28)         |      |      | +85%     |      |      |     |       |      |      | 10  | 1.2  | 3.9  |
|  |              | CEC:    | 1000 | 304.8 | 55.0 | 25.0 | .037"          |      |      | TC Braid |      |      |     |       |      |      | 50  | 2.8  | 9.2  |
|  |              | CMP FT6 |      |       |      |      | (1) TC, (1) BC |      |      | 2.5Ω/M'  |      |      |     |       |      |      | 100 | 4.1  | 13.5 |
|  |              |         |      |       |      |      | 9.5Ω/M'        |      |      | 8.2Ω/km  |      |      |     |       |      |      | 200 | 6.4  | 21.0 |
|  |              |         |      |       |      |      | 31.2Ω/km       |      |      |          |      |      |     |       |      |      | 300 | 8.4  | 27.6 |
|  |              |         |      |       |      |      |                |      |      |          |      |      |     |       |      |      | 400 | 10.2 | 33.5 |

**124 Ohm • 25 AWG** Stranded (7x33) .021" Tinned Copper Conductors • Beldfoil® Shield (100% Coverage) • Stranded TC Drain Wire

| Polyethylene Insulation • Blue PVC Jacket (Color Code: Clear, Blue) |             |      |        |         |      |      |           |      |      |          |      |      |     |     |      |      |     |     |      |
|---|-------------|------|--------|---------|------|------|-----------|------|------|----------|------|------|-----|-----|------|------|-----|-----|------|
| UL AWM<br>Style 2092<br>(300V 60°C)                                 | <b>9271</b> | NEC: | 100    | 30.5    | 3.2  | 1.5  | 25 AWG    | .170 | 4.32 | Beldfoil | .240 | 6.10 | 124 | 66% | 12.2 | 40.0 | 1   | .6  | 2.0  |
|   |             | CM   | 500    | 152.4   | 12.5 | 5.7  | (7x33)    |      |      | 12.0Ω/M' |      |      |     |     |      |      | 10  | 1.7 | 5.6  |
|   |             | CEC: | U-1000 | U-304.8 | 27.0 | 12.3 | .021"     |      |      | 39.4Ω/km |      |      |     |     |      |      | 50  | 3.6 | 11.8 |
|   |             | CM   | 1000   | 304.8   | 28.0 | 12.7 | TC        |      |      |          |      |      |     |     |      |      | 100 | 5.0 | 16.4 |
|   |             |      |        |         |      |      | 31.8Ω/M'  |      |      |          |      |      |     |     |      |      | 200 | 6.9 | 22.6 |
|   |             |      |        |         |      |      | 104.3Ω/km |      |      |          |      |      |     |     |      |      | 400 | 9.6 | 31.5 |

Shorting Fold

**124 Ohm • 16 AWG** Solid .051" Bare Copper Conductors • Duofoil (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)

| Foam Polyethylene Insulation • Black PVC Jacket (Color Code: Clear, Blue) |             |      |      |       |       |      |          |      |      |          |      |       |     |     |      |      |     |     |      |
|---|-------------|------|------|-------|-------|------|----------|------|------|----------|------|-------|-----|-----|------|------|-----|-----|------|
| UL AWM<br>Style 2448<br>(30V 60°C)<br>VW-1                                | <b>9860</b> | NEC: | 500  | 152.4 | 52.0  | 23.6 | 16 AWG   | .322 | 8.18 | Duofoil  | .440 | 11.18 | 124 | 78% | 10.9 | 35.8 | 1   | .2  | .6   |
|   |             | CMX  | 1000 | 304.8 | 103.0 | 46.8 | (solid)  |      |      | + 90%    |      |       |     |     |      |      | 10  | .7  | 2.3  |
|   |             | CEC: | 2000 | 609.6 | 202.0 | 91.8 | .051"    |      |      | TC Braid |      |       |     |     |      |      | 50  | 1.8 | 5.9  |
|   |             | CMX  |      |       |       |      | BC       |      |      | 1.3Ω/M'  |      |       |     |     |      |      | 100 | 2.9 | 9.5  |
|   |             |      |      |       |       |      | 4.2Ω/M'  |      |      | 4.3Ω/km  |      |       |     |     |      |      | 200 | 4.1 | 13.5 |
|   |             |      |      |       |       |      | 13.8Ω/km |      |      |          |      |       |     |     |      |      | 400 | 6.2 | 20.3 |

**150 Ohm • 22 AWG** Stranded (19x34) .031" Tinned Copper Conductors • Duofoil Shield (100% Coverage) • Stranded TC Drain Wire

| Datalene® Insulation • Black PVC Jacket (Color Code: Black, Yellow) |             |      |       |         |      |      |          |      |      |          |      |      |     |     |     |      |     |     |      |
|---|-------------|------|-------|---------|------|------|----------|------|------|----------|------|------|-----|-----|-----|------|-----|-----|------|
| UL AWM<br>Style 2668<br>(30V 60°C)<br>VW-1                          | <b>9182</b> | NEC: | U-500 | U-152.4 | 21.5 | 9.8  | 22 AWG   | .275 | 6.98 | Duofoil  | .345 | 8.76 | 150 | 78% | 8.8 | 28.9 | 1   | .4  | 1.3  |
|   |             | CMX  | 500   | 152.4   | 23.0 | 10.4 | (19x34)  |      |      | 6.3Ω/M'  |      |      |     |     |     |      | 10  | 1.2 | 3.9  |
|   |             | CL2X | 1000  | 304.8   | 44.0 | 20.0 | .031"    |      |      | 20.7Ω/km |      |      |     |     |     |      | 50  | 2.7 | 8.7  |
|   |             | CEC: |       |         |      |      | TC       |      |      |          |      |      |     |     |     |      | 100 | 4.3 | 14.1 |
|   |             | CMX  |       |         |      |      | 14.0Ω/M' |      |      |          |      |      |     |     |     |      | 200 | 6.2 | 20.3 |
|   |             |      |       |         |      |      | 45.9Ω/km |      |      |          |      |      |     |     |     |      | 400 | 8.8 | 28.9 |

Shorting Fold

| Plenum • Foam FEP Teflon Insulation • Black FEP Teflon Jacket (Color Code: Black, Yellow) |              |         |      |       |      |      |          |      |      |          |      |      |     |     |     |      |     |     |      |
|---|--------------|---------|------|-------|------|------|----------|------|------|----------|------|------|-----|-----|-----|------|-----|-----|------|
|   | <b>89182</b> | NEC:    | 100  | 30.5  | 6.4  | 2.9  | 22 AWG   | .278 | 7.06 | Duofoil  | .307 | 7.80 | 150 | 78% | 8.8 | 28.9 | 1   | .4  | 1.3  |
|   |              | CMP     | 500  | 152.4 | 28.0 | 12.7 | (19x34)  |      |      | 6.3Ω/M'  |      |      |     |     |     |      | 10  | 1.2 | 3.9  |
|   |              | CL2P    | 1000 | 304.8 | 53.0 | 24.1 | .031"    |      |      | 20.7Ω/km |      |      |     |     |     |      | 50  | 2.7 | 8.7  |
|   |              | CEC:    |      |       |      |      | TC       |      |      |          |      |      |     |     |     |      | 100 | 4.3 | 14.1 |
|   |              | CMP FT6 |      |       |      |      | 14.0Ω/M' |      |      |          |      |      |     |     |     |      | 200 | 6.2 | 20.3 |
|   |              |         |      |       |      |      | 45.9Ω/km |      |      |          |      |      |     |     |     |      | 400 | 8.8 | 28.9 |

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

Teflon is a DuPont trademark.



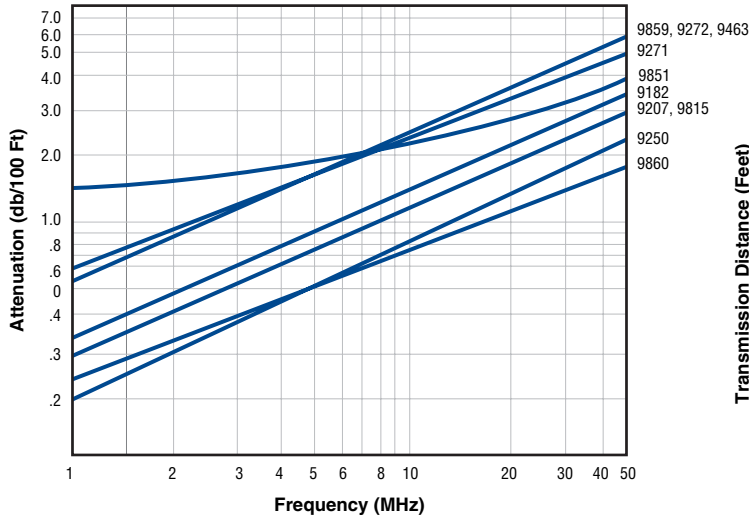
For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**



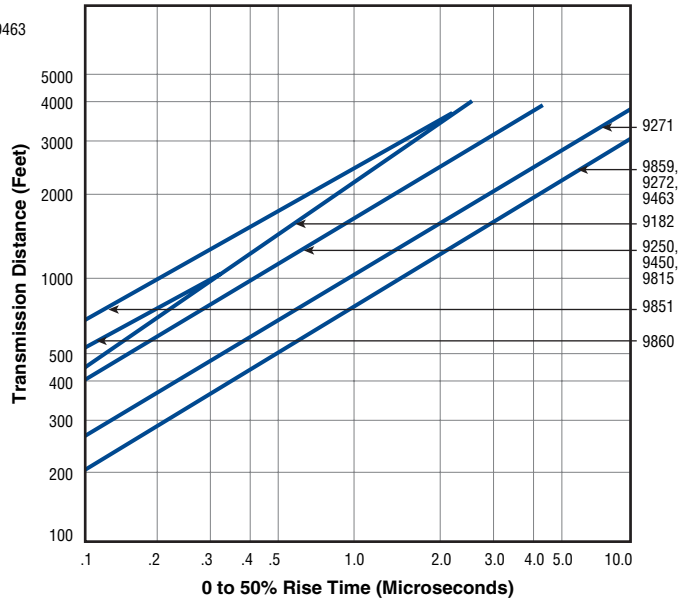
# Computer and Instrumentation Cable

## Electrical Characteristics — Twinax

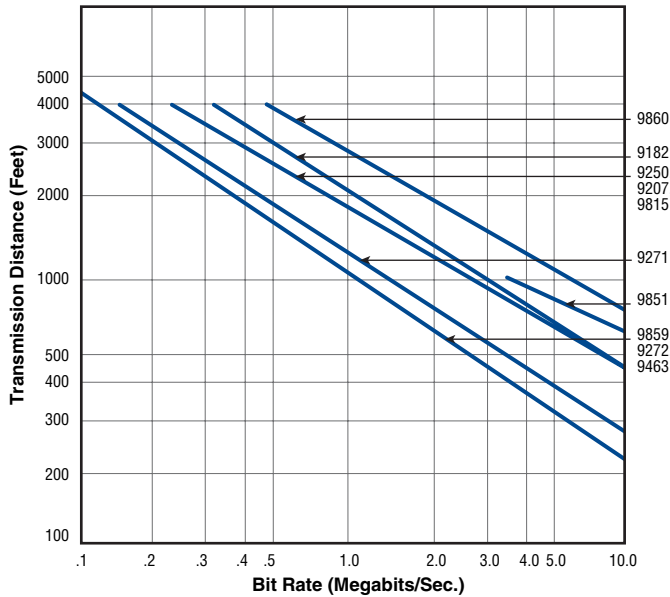
**Attenuation**



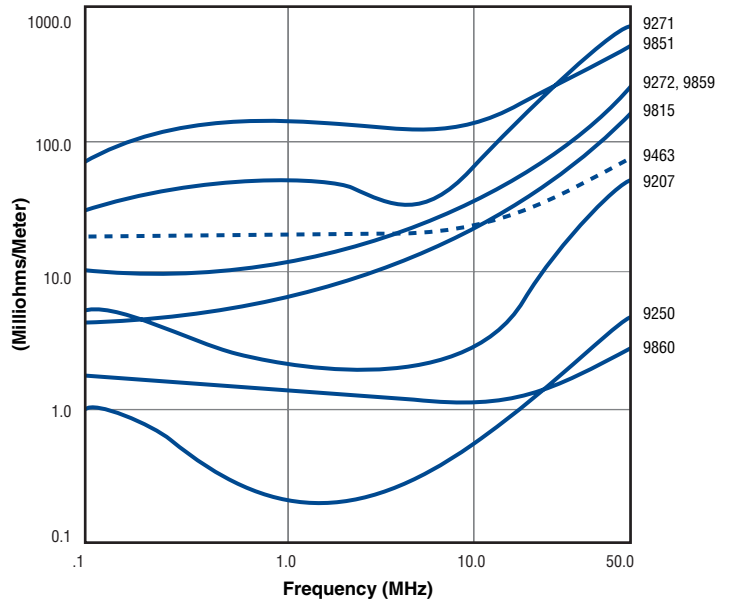
**Rise Time**



**Bit Rate**



**Transfer Impedance**





# Computer and Instrumentation Cable

## 50 Ohm Triax

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |            |         |
|-------------|----------|------------------------------|------------------|---|----------------------|----|---|-----------------|----|---------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|------------|---------|
|             |          |                              | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                                 | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/100 Ft. | dB/100m |

**RG-58A/U Type • 20 AWG** Stranded (7x28) .037" Tinned Copper Conductor • Double Tinned Copper Braid Shield (96% Coverage)

| <b>Polyethylene Insulation • Yellow PVC Jacket (Polyethylene Insulation between Braids)</b> |      |   |       |         |      |     |                  |      |      |   |      |      |    |     |      |       |      |      |      |
|---|------|---|-------|---------|------|-----|------------------|------|------|---|------|------|----|-----|------|-------|------|------|------|
| 75°C  | 9222 | — | 100   | 30.5    | 4.6  | 2.1 | 20 AWG<br>(7x28) | .114 | 2.90 | (2) TC Braids<br>96% Shield<br>Coverage | .240 | 6.10 | 50 | 66% | 30.8 | 101.0 | 1    | .5   | 1.6  |
|   |      |   | U-500 | U-152.4 | 19.5 | 8.8 |                  |      |      |   |      |      |    |     |      |       | 10   | 1.5  | 4.9  |
|   |      |   | 500   | 152.4   | 20.5 | 9.3 | .037"            |      |      | TC<br>Inner:<br>9.5Ω/M'<br>31.0Ω/km     |      |      |    |     |      |       | 50   | 3.3  | 10.8 |
|   |      |   |       |         |      |     |                  |      |      | Outer:<br>4.7Ω/M'<br>15.5Ω/km           |      |      |    |     |      |       | 100  | 4.9  | 16.1 |
|   |      |   |       |         |      |     |                  |      |      |   |      |      |    |     |      |       | 200  | 7.2  | 23.6 |
|   |      |   |       |         |      |     |                  |      |      |   |      |      |    |     |      |       | 400  | 12.0 | 39.4 |
|   |      |   |       |         |      |     |                  |      |      |   |      |      |    |     |      |       | 700  | 18.0 | 57.1 |
|   |      |   |       |         |      |     |                  |      |      |   |      |      |    |     |      |       | 900  | 22.0 | 72.2 |
|   |      |   |       |         |      |     |                  |      |      |   |      |      |    |     |      |       | 1000 | 24.0 | 78.7 |

**RG-8/U Type • 11 AWG** Stranded (7x19) .108" Bare Copper Conductor • Double Bare Copper Braid Shield (96% Coverage)


| <b>Foam Polyethylene Insulation • Black Polyethylene Jacket (Polyethylene Insulation between Braids)</b> |      |   |      |       |       |      |                  |      |      |                                    |      |       |    |     |      |      |      |     |      |
|--|------|---|------|-------|-------|------|------------------|------|------|------------------------------------|------|-------|----|-----|------|------|------|-----|------|
| 80°C   | 9888 | — | 500  | 152.4 | 72.5  | 33.0 | 11 AWG<br>(7x19) | .285 | 7.24 | (2) BC<br>96% Shield<br>Coverage   | .480 | 12.19 | 50 | 78% | 26.0 | 85.3 | 1    | .1  | .5   |
|  |      |   | 1000 | 304.8 | 140.0 | 63.6 | .108"            |      |      | BC<br>Inner:<br>1.2Ω/M'<br>3.9Ω/km |      |       |    |     |      |      | 10   | .5  | 1.7  |
|  |      |   |      |       |       |      |                  |      |      | Outer:<br>2.1Ω/M'<br>4.9Ω/km       |      |       |    |     |      |      | 50   | 1.2 | 3.9  |
|  |      |   |      |       |       |      |                  |      |      |                                    |      |       |    |     |      |      | 100  | 1.8 | 5.9  |
|  |      |   |      |       |       |      |                  |      |      |                                    |      |       |    |     |      |      | 200  | 2.7 | 8.9  |
|  |      |   |      |       |       |      |                  |      |      |                                    |      |       |    |     |      |      | 400  | 4.2 | 13.8 |
|  |      |   |      |       |       |      |                  |      |      |                                    |      |       |    |     |      |      | 700  | 5.8 | 19.0 |
|  |      |   |      |       |       |      |                  |      |      |                                    |      |       |    |     |      |      | 900  | 6.7 | 22.0 |
|  |      |   |      |       |       |      |                  |      |      |                                    |      |       |    |     |      |      | 1000 | 7.1 | 23.3 |

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

## Amateur Radio and CB Coaxial Cable Assemblies

RG-8/U Type • 50 Ohm

| Description  | Part No. | Standard Lengths |       | Standard Unit Weight |     | Nominal OD |       |
|--|----------|------------------|-------|----------------------|-----|------------|-------|
|  |          | Ft.              | m     | Lbs.                 | kg  | Inch       | mm    |
| <b>RG-8/U Type • 11 AWG</b> Stranded (7x19) BC Conductor • Military-Type Braid Coverage • Fitted with PL-259 Connectors on Both Ends |          |                  |       |                      |     |            |       |
| <b>Foam Polyethylene Insulation • Black PVC Jacket</b>   |          |                  |       |                      |     |            |       |
|   | 9354     | 50               | 15.24 | 7.1                  | 3.2 | .403       | 10.24 |
|  | 9355     | 75               | 22.86 | 10.7                 | 4.9 | .403       | 10.24 |
|  | 9356     | 100              | 30.48 | 14.2                 | 6.4 | .403       | 10.24 |

Coax is 8214. See page 6.69 for product details.

BC = Bare Copper

These cables are designed to be used with two-way systems, such as Citizens Band (CB), Commercial, Amateur, and Marine equipment applications. They provide a positive link between the transmitter and antenna or between the receiver and antenna.

They are capable of handling higher power requirements with lower signal losses. Packaged individually.

## Technical Information

### Attenuation vs. Frequency for Belden® Broadband Coaxial Products

| Frequency Point (MHz) | Series 59          |                 |                    |                 | Series 6           |                 |                    |                 | Series 11          |                 |                    |                 |
|-----------------------|--------------------|-----------------|--------------------|-----------------|--------------------|-----------------|--------------------|-----------------|--------------------|-----------------|--------------------|-----------------|
|                       | Nominal dB/100 Ft. | Nominal dB/100m | Maximum dB/100 Ft. | Maximum dB/100m | Nominal dB/100 Ft. | Nominal dB/100m | Maximum dB/100 Ft. | Maximum dB/100m | Nominal dB/100 Ft. | Nominal dB/100m | Maximum dB/100 Ft. | Maximum dB/100m |
| 5                     | .75                | 2.46            | .89                | 2.92            | .54                | 1.77            | .67                | 2.20            | .34                | 1.12            | .38                | 1.25            |
| 55                    | 1.84               | 6.04            | 1.95               | 6.40            | 1.45               | 4.76            | 1.60               | 5.25            | .91                | 2.99            | .97                | 3.18            |
| 211                   | 3.36               | 11.02           | 3.59               | 11.78           | 2.64               | 8.66            | 2.87               | 9.42            | 1.68               | 5.51            | 1.81               | 5.94            |
| 216                   | 3.41               | 11.19           | 3.69               | 12.11           | 2.67               | 8.76            | 2.95               | 9.68            | 1.70               | 5.58            | 1.84               | 6.04            |
| 240                   | 3.57               | 11.71           | 3.87               | 12.70           | 2.80               | 9.19            | 3.09               | 10.14           | 1.78               | 5.84            | 1.94               | 6.36            |
| 270                   | 3.79               | 12.43           | 4.05               | 13.29           | 2.97               | 9.74            | 3.24               | 10.63           | 1.89               | 6.20            | 2.05               | 6.73            |
| 300                   | 3.99               | 13.09           | 4.27               | 14.01           | 3.13               | 10.27           | 3.43               | 11.25           | 1.99               | 6.53            | 2.15               | 7.05            |
| 325                   | 4.16               | 13.65           | 4.50               | 14.76           | 3.26               | 10.70           | 3.59               | 11.78           | 2.07               | 6.79            | 2.24               | 7.35            |
| 350                   | 4.33               | 14.21           | 4.64               | 15.22           | 3.39               | 11.12           | 3.72               | 12.20           | 2.15               | 7.05            | 2.32               | 7.61            |
| 375                   | 4.49               | 14.73           | 4.84               | 15.88           | 3.52               | 11.55           | 3.87               | 12.70           | 2.22               | 7.28            | 2.40               | 7.87            |
| 400                   | 4.66               | 15.29           | 4.88               | 16.01           | 3.65               | 11.97           | 4.00               | 13.12           | 2.30               | 7.55            | 2.47               | 8.10            |
| 450                   | 4.96               | 16.27           | 5.30               | 17.39           | 3.88               | 12.73           | 4.26               | 13.98           | 2.45               | 8.04            | 2.65               | 8.69            |
| 500                   | 5.22               | 17.13           | 5.50               | 18.04           | 4.09               | 13.42           | 4.48               | 14.70           | 2.59               | 8.50            | 2.85               | 9.35            |
| 550                   | 5.48               | 17.98           | 5.90               | 19.36           | 4.30               | 14.11           | 4.71               | 15.45           | 2.73               | 8.96            | 2.94               | 9.65            |
| 600                   | 5.75               | 18.86           | 6.18               | 20.28           | 4.51               | 14.80           | 4.94               | 16.21           | 2.85               | 9.35            | 3.08               | 10.10           |
| 650                   | 6.03               | 19.78           | 6.52               | 21.39           | 4.72               | 15.49           | 5.18               | 16.99           | 2.98               | 9.78            | 3.22               | 10.56           |
| 700                   | 6.28               | 20.60           | 6.83               | 22.41           | 4.92               | 16.14           | 5.45               | 17.88           | 3.10               | 10.17           | 3.37               | 11.06           |
| 750                   | 6.51               | 21.36           | 6.96               | 22.83           | 5.11               | 16.76           | 5.59               | 18.34           | 3.21               | 10.53           | 3.50               | 11.48           |
| 800                   | 6.71               | 22.01           | 7.30               | 23.95           | 5.27               | 17.29           | 5.75               | 18.86           | 3.32               | 10.89           | 3.65               | 11.97           |
| 862                   | 6.97               | 22.87           | 7.50               | 24.61           | 5.47               | 17.95           | 5.98               | 19.62           | 3.46               | 11.35           | 3.82               | 12.53           |
| 870                   | 7.00               | 22.97           | 7.54               | 24.74           | 5.49               | 18.01           | 6.00               | 19.68           | 3.48               | 11.42           | 3.84               | 12.60           |
| 900                   | 7.14               | 23.42           | 7.79               | 25.56           | 5.60               | 18.37           | 6.11               | 20.05           | 3.55               | 11.65           | 3.96               | 12.99           |
| 950                   | 7.39               | 24.25           | 7.90               | 25.92           | 5.79               | 19.00           | 6.35               | 20.83           | 3.66               | 12.01           | 4.10               | 13.45           |
| 1000                  | 7.68               | 25.20           | 8.09               | 26.54           | 5.99               | 19.65           | 6.54               | 21.46           | 3.77               | 12.37           | 4.23               | 13.88           |
| 1450                  | —                  | —               | —                  | —               | 7.80               | 25.60           | 8.00               | 26.20           | 5.00               | 16.41           | 5.50               | 18.10           |
| 1800                  | —                  | —               | —                  | —               | 8.60               | 28.20           | 8.80               | 28.90           | 5.70               | 18.70           | 6.27               | 20.60           |
| 2250                  | —                  | —               | —                  | —               | 9.80               | 32.20           | 10.00              | 32.80           | 6.50               | 21.33           | 7.15               | 23.50           |
| 3000                  | —                  | —               | —                  | —               | 11.30              | 37.10           | 11.90              | 39.00           | 8.00               | 26.25           | 8.80               | 28.90           |