

Coaxial Cables

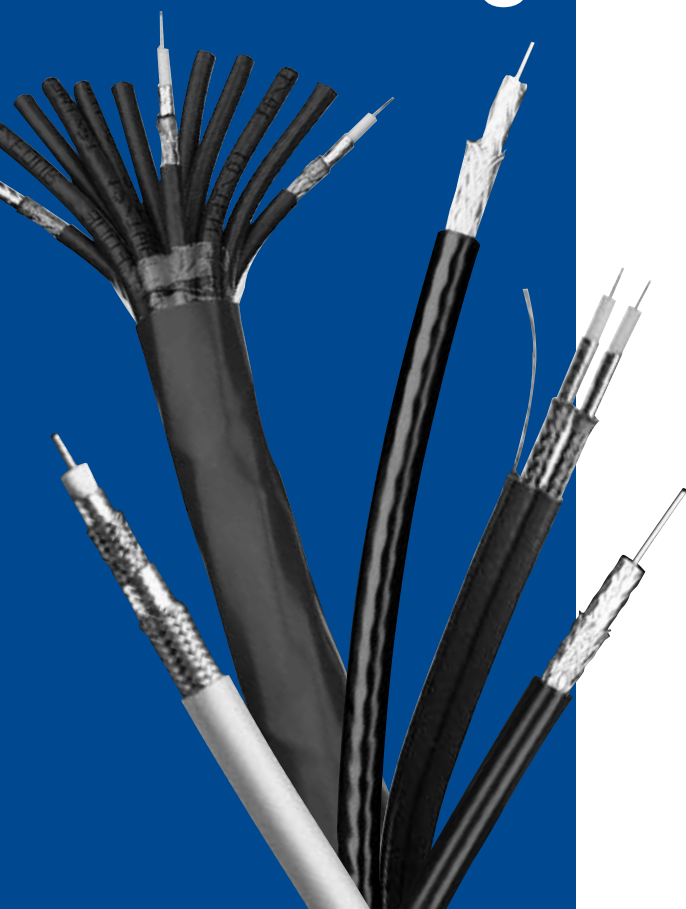


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Introduction

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/ 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
DS-3 and DS-4 Interconnect and Cross-connect Cable												
728A Type	9231	6.58	Belden	1/.031" BC (9.9)	PE (.198)	Inner None/98% SPC (187.0) Outer None/95% BC (1.1)	PVC-NC (.305)	.071	75	21.0	-40 to +60	1900
734A Type DS3-4	734A1	6.56	Belden	1/.032" BC (10.0)	GIFHDPE (.148)	BF/85% TC (2.4)	PVC (.235)	.031	75	16.8	-40 to +75	300
734A Type DS3-4 Bundled 12-Coax	734A12	6.56	Belden	1/.032" BC (10.0)	GIFHDPE (.148)	BF/85% TC (2.4)	PVC (1.026)	.484	75	16.8	-40 to +75	300
734A Type DS3-4 Plenum	734A1P	6.56	Belden	1/.032" BC (10.0)	FFEP (.148)	BF/85% TC (2.4)	FLM (.215)	.032	75	17.3	0 to +75	300
734A Type DS3-4 Bundled 6-Coax	734A6	6.56	Belden	1/.032" BC (10.0)	GIFHDPE (.148)	BF/85% TC (2.4)	PVC (.772)	.250	75	16.8	-45 to +75	300
734D Type DS3-4	734D1	6.57	Belden	1/.032" SPC (10.0)	GIFHDPE (.148)	BF/85% TC (2.4)	PVC (.235)	.031	75	16.8	-40 to +75	300
734D Type DS3-4 Bundled 12-Coax	734D12	6.57	Belden	1/.032" SPC (10.0)	GIFHDPE (.148)	BF/85% TC (2.4)	PVC (1.026)	.484	75	16.8	-40 to +75	300
734D Type DS3-4 Plenum	734D1P	6.57	Belden	1/.032" SPC (10.0)	FFEP (.148)	BF/85% TC (2.4)	FLM (.215)	.032	75	17.3	0 to +75	300
734D Type DS3-4 1-Coax with Tracer	734D1T	6.57	Belden	1/.032" SPC (10.0)	GIFHDPE (.148)	BF/85% TC (2.4)	PVC (.235 x .309)	.034	75	16.8	-40 to +75	300
734D Type DS3-4 Dual Coax	734D2	6.57	Belden	1/.032" SPC (10.0)	GIFHDPE (.148)	BF/85% TC (2.4)	PVC (.235 x .485)	.061	75	16.8	-40 to +75	300
734D Type DS3-4 2-Coax with Tracer	734D2T	6.57	Belden	1/.032" SPC (10.0)	GIFHDPE (.148)	BF/85% TC (2.4)	PVC (.235 x .574)	.068	75	16.8	-40 to +75	300
734D Type DS3-4 Bundled 6-Coax	734D6	6.57	Belden	1/.032" SPC (10.0)	GIFHDPE (.148)	BF/85% TC (2.4)	PVC (.772)	.250	75	16.8	-40 to +75	300
735A Type DS3-4	735A1	6.55	Belden	1/.0159" SPC (41.0)	FHDPE (.077)	BF/93% TC (5.3)	PVC (.129)	.011	75	17.7	-40 to +75	300
735A Type DS3-4 Bundled 12-Coax	735A12	6.55	Belden	1/.016" SPC (41.0)	FHDPE (.077)	BF/93% TC (5.3)	PVC (.581)	.171	75	17.7	-40 to +75	300
735A Type DS3-4 Bundled 16-Coax	735A16	6.55	Belden	1/.016" SPC (41.0)	FHDPE (.077)	BF/93% TC (5.3)	PVC (.636)	.226	75	17.7	-40 to +75	300
735A Type DS3-4 Plenum	735A1P	6.55	Belden	1/.016" SPC (41.0)	FFEP (.077)	BF/93% TC (5.3)	FLM (.129)	.018	75	17.7	0 to +75	300
735A Type DS3-4 1-Coax with Tracer	735A1T	6.55	Belden	1/.016" SPC (41.0)	FHDPE (.077)	BF/93% TC (5.3)	PVC (.129 x .203)	.013	75	17.7	-40 to +75	300
735A Type DS3-4 2-Coax with Tracer	73502T	6.55	Belden	1/.017" SPC (41.0)	FHDPE (.077)	BF/93% TC (5.3)	PVC (.179 x .308)	.040	75	17.7	-40 to +75	300
735A Type DS3-4 Dual Coax	735A2	6.55	Belden	1/.0159" SPC (41.0)	FHDPE (.077)	BF/93% TC (5.3)	PVC (.129 x .258)	.022	75	17.7	-40 to +75	300
735A Type DS3-4 Bundled 24-Coax	735A24	6.55	Belden	1/.016" SPC (41.0)	FHDPE (.077)	BF/93% TC (5.3)	PVC (.870)	.364	75	17.7	-40 to +75	300
735A Type DS3-4 Bundled 3-Coax	735A3	6.55	Belden	1/.016" SPC (41.0)	FHDPE (.077)	BF/93% TC (5.3)	PVC (.309)	.045	75	17.7	-40 to +75	300
735A Type DS3-4 Bundled 6-Coax	735A6	6.55	Belden	1/.016" SPC (41.0)	FHDPE (.077)	BF/93% TC (5.3)	PVC (.399)	.083	75	17.7	-40 to +75	300
735A Type DS3-4 Bundled 8-Coax	735A8	6.55	Belden	1/.016" SPC (41.0)	FHDPE (.077)	BF/93% TC (5.3)	PVC (.447)	.111	75	17.7	-40 to +75	300
735A Type DS3-4 Bundled 9-Coax	735A9	6.55	Belden	1/.016" SPC (41.0)	FHDPE (.077)	BF/93% TC (5.3)	PVC (.484)	.122	75	17.7	-40 to +75	300
Low Loss 50 Ohm Wireless RF Transmission Cables												
RF300	7809A	6.62	Belden	1/.072" BC (2.1)	GIFHDPE (.190)	DB/95% TC (2.4)	PE (.300)	.046	50	23.0	-40 to +75	300
RF300 Riser	7809R	6.62	Belden	1/.072" BC (2.1)	GIFHDPE (.190)	DB/95% TC (2.4)	PVC (.300)	.046	50	23.0	-40 to +75	300
RF300 Burial	7809WB	6.62	Belden	1/.072" BC (2.1)	GIFHDPE (.190)	DB/95% TC (2.4)	PE (.300)	.046	50	23.0	-40 to +75	300
RG-174/U Type RF100A	7805	6.59	Belden	1/.018" BC (3.2)	PE (.061)	BF/90% TC (9.1)	PVC (.110)	.009	50	31.2	-40 to +75	1,100
RG-174/U Type RF100LL	7805R	6.59	Belden	1/.020" BC (27.3)	FHDPE (.060)	BF/93% TC (9.3)	PVC (.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
Low Loss 50 Ohm Wireless RF Transmission Cables (continued)												
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
Microwave Conformable Coax												
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.



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

RG Coaxial and Triaxial Reference Guide

Microwave Conformable® Coax and RG-6 Type

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
RG-6 Type												
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/ 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
RG-6 Type (continued)												
RG-6/U Type Static Ground	1839A	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	1839AC	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	1840A	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	1840AC	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	1841A	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	1841AC	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	1843A	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	3131A	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	3132A	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	5339G5	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	7915A	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	7916A	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	8215	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	8238	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	8261	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	9058	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	9058M	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	9062	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	9066	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	9077	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	9116	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	9116P	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	9116R	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	9116SB	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	9117M	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	9118	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	9119M	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	9248	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	9290	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/ 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
RG-6 Type (continued)												
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
RG-8 Type												
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) Outer None/96% BC (2.1)	Inner PE (.370) 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
RG-11 Type												
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/ 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
RG-11/U Type (continued)												
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) Outer None/95% BC (1.4)	Inner PE (.405) 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) Outer None/87% (1.4)	Inner PVDF (.350) 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) Outer None/95% BC (1.4)	Inner PE (.365) 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) Outer None/80% BC (1.4)	Inner PE (.365) 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) Outer None/80% BC (1.4)	Inner PVC (.365) 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/ 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
RG-11/U Type (continued)												
RG-11/U Type	9011	6.26	Belden	1/.064" BCCS (11.0)	GIFPE (.280)	DF/40% AL (5.3)	PVC (.400)	.060	75	16.2	-40 to +80	300
RG-11/U Type	9064	6.27	Belden	1/.064" BCCS (11.0)	GIFPE (.280)	DB+/77% AL (3.8)	PVC (.400)	.062	75	16.2	-40 to +80	300
RG-11/U Type Messengered	9065M	6.27	Belden	1/.064" BCCS (11.0)	GIFPE (.280)	DB+/77% AL (3.8)	PVC (.400 x .580)	.080	75	16.2	-40 to +80	300
RG-11/U Type Triaxial	9192	6.53	Belden	19/.064" BC (3.3)	GIFHDPE (.312)	Inner None/90% BC (1.6) Outer None/82% BC (1.6)	Inner PE (.390) Outer PVC (.520)	.134	75	17.3	-40 to +75	300
RG-11/QPL M17/6-RG11	9212	6.79	MIL-C-17G	7/.048" TC (6.1)	PE (.285)	None/97% BC (1.2)	PVC-NC (.405)	.090	75	20.5	-40 to +85	3,700
RG-11/U Type Triaxial	9232	6.53	Belden	19/.064" BC (3.0)	GIFHDPE (.312)	Inner None/90% BC (1.6) Outer None/82% BC (1.7)	Inner PE (.390) Outer H (.520)	.140	75	17.3	-20 to +75	300
RG-11/U Type	9292	6.39	Belden	1/.064" BC (2.5)	GIFHDPE (.280)	DF/61% TC (3.0)	PVC (.405)	.081	75	16.1	-40 to +80	300
RG-11/U Type Burial	9764	6.27	Belden	1/.064" BCCS (11.0)	GIFPE (.280)	DB+/77% AL (3.8)	PE (.400)	.056	75	16.2	-55 to +80	300
RG-11/U Type Plenum	89292	6.39	Belden	1/.064" BC (2.5)	FFEP (.274)	DF/63% TC (3.0)	FEP (.346)	.077	75	16.1	-70 to +200	300
RG-58 Type												
RG-58/U Type RF195	7806A	6.60	Belden	1/.037" BC (7.6)	GIFHDPE (.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)	GIFHDPE (.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)	GIFHDPE (.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)	GIFHDPE (.116)	DF/95% TC (4.2)	PVC (.195)	.029	50	23.5	-40 to +75	300
RG-58A/U Type	8219	6.68	Belden	19/.037" TC (8.8)	FPE (.114)	None/96% TC (4.1)	PVC (.194)	.025	53.5	26.5	-40 to +80	300
RG-58A/U	8240	6.68	JAN-C-17A	1/.033" BC (10.0)	PE (.116)	None/95% TC (4.1)	PVC (.193)	.025	51.5	28.5	-40 to +75	1,400
RG-58A/U Type	8259	6.68	JAN-C-17A	19/.035" TC (10.8)	PE (.116)	None/95% TC (4.1)	PVC (.192)	.024	50	30.8	-40 to +75	1,400
RG-58C/U QPL M17/155-00001	8262	6.77	MIL-C-17G	19/.035" TC (10.8)	PE (.115)	None/95% TC (4.1)	PVC-NC (.195)	.024	50	30.8	-40 to +85	1,400
RG-58/U Type	9201	6.67	Belden	1/.033" BC (10.0)	PE (.116)	None/78% BC (5.5)	PVC (.193)	.022	51.5	28.5	-40 to +80	1,400
RG-58/QPL M17/28-RG-58	9203	6.77	MIL-C-17G	19/.035" TC (10.8)	PE (.116)	None/95% TC (4.1)	PVC-NC (.195)	.025	50	30.8	-40 to +85	1,400
RG-58A/U Type Triaxial	9222	6.90	Belden	7/.037" TC (9.5)	PE (.114)	Inner None/96% TC (4.7) Outer None/85% TC (4.3)	Inner PE (.175) Outer PVC (.240)	.037	50	30.8	-40 to +75	1,400
RG-58/U Type	9223	6.82	Belden	7/.030" TC (10.8)	PE (.112)	DBII/95% TC (4.1)	PVC (.195)	.024	50	37.0	-40 to +80	1,900
RG-58/U Type	9310	6.67	Belden	1/.033" BC (9.4)	PE (.114)	DBII/55% TC (8.0)	PVC (.193)	.020	50	30.8	-40 to +60	1,400
RG-58A/U Type	9311	6.68	Belden	19/.037" TC (8.8)	FPE (.114)	DBII/55% TC (17.0)	PVC (.193)	.018	52	26.0	-40 to +80	300
RG-58A/U Type Thin Ethernets	9907	6.83	DEC P/N 17-01248-00	19/.037" TC (8.8)	FPE (.102)	DBII/93% TC (5.8)	PVC (.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/ 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
RG-58 Type (continued)												
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
RG-59/U Type												
RG-59/U Type Plenum	1151A	6.18	Belden, IBM P/N 1501917	1/.032" BCCS (26.0)	FFEP (.140)	DF/52% TC 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 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) 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) Outer None/95% BC (1.6)	Inner PE (.216) 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) Outer None/95% BC (1.6)	Inner PVC (.216) 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) Outer None/90% BC (1.6)	Inner PE (.216) 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) Outer None/80% BC (2.8)	Inner PE (.225) 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) Outer None/80% BC (2.8)	Inner PVC (.226) 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/ 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
RG-59/U Type (continued)												
RG-59/U Type	8241A	6.35	Belden	1/.023" BCCS (49.0)	FRSFPE (.146)	None/95% BC (2.6)	PVC (.242)	.039	75	20.5	-40 to +75	300
RG-59/U Type	8241B	6.35	Belden	1/.0228" BC (20.0)	PE (.146)	None/95% BC (2.9)	PVC (.242)	.038	75	20.5	-20 to +75	300
RG-59/U Type	8241F	6.35	Belden	7/.030" BC (15.0)	FPE (.146)	None/95% BC (2.6)	PVC (.242)	.033	75	17.3	-30 to +60	300
RG-59B/U Type	8263	6.36	MIL-C-17D	1/.023" BCCS (49.0)	PE (.146)	None/95% BC (2.6)	PVC-NC (.242)	.035	75	20.5	-40 to +60	1,700
RG-59/U Type Precision	8279	6.41	Belden	7/.023" BCC (19.1)	PE (.146)	None/95% TC (4.5)	PE (.220)	.026	75	21.0	-55 to +80	2,300
RG-59/U Type Precision Video	8281	6.30	Belden	1/.031" BC (9.9)	PE (.198)	None/97% TC None/95% TC (1.1)	PE (.305)	.068	75	21.0	-55 to +80	2,900
RG-59/U Type Precision Video	8281B	6.30	Belden	1/.031" BC (9.9)	FRSFPE (.198)	None/97% TC None/95% TC (1.1)	PVC (.305)	.078	75	21.0	-40 to +80	300
RG-59/U Type Precision Video	8281F	6.30	Belden	7/.0315" BCC (12.2)	PE (.198)	None/97% TC None/95% TC (1.7)	PVC (.305)	.060	75	21.0	-20 to +60	2,900
RG-59/U Type	9100	6.16	Belden	1/.032" BCCS (44.5)	GIFPE (.144)	DBII/40% AL (17.0)	PVC (.237)	.020	75	16.2	-40 to +80	300
RG-59/U Type	9104	6.17	Belden	1/.032" BCCS (44.5)	GIFPE (.144)	DBII/67% AL (12.0)	PVC (.237)	.024	75	16.2	-40 to +80	300
RG-59/U Type	9104N	6.17	Belden	1/.032" BCCS (44.5)	GIFPE (.144)	DBII/67% AL (12.0)	PVC (.237)	.024	75	16.2	-40 to +80	300
RG-59/U Type Plenum	9104P	6.17	Belden	1/.032" BCCS (44.5)	FFEP (.140)	DBII/67% AL (12.0)	FLM (.203)	.024	75	16.3	-20 to +75	300
RG-59/U Type	9105M	6.17	Belden	1/.032" BCCS (44.5)	GIFHDPE (.140)	DBII/67% AL (12.0)	PVC (.240 x .387)	.037	75	16.2	-40 to +80	300
RG-59/U Type	9110	6.17	Belden	1/.032" BCCS (44.5)	GIFHDPE (.144)	DBIII/67% AL (12.0)	PVC (.242)	.022	75	16.2	-40 to +80	300
RG-59/U Type Precision Video	9141	6.43	Belden	1/.031" BC (9.9)	PE (.200)	None/97% TC None/95% TC (1.1)	PE (.305)	.069	75	20.0	-55 to +80	1,900
RG-59/U Type	9167	6.29	Belden	1/.032" SPCCS (25.8)	GIFPE (.144)	DB+/95% AL (4.5)	PVC (.242)	.028	75	16.2	-40 to +80	300
RG-59/QPL M17/29-RG59	9204	6.79	MIL-C-17G	1/.023" BCCS (47.0)	PE (.146)	None/95% BC (2.6)	PVC-NC (.241)	.034	75	20.5	-40 to +85	1,700
RG-59/U Type Precision Video	9209	6.41	Belden	1/.023" BC (20.4)	PE (.146)	DF/95% TC (4.5)	PE (.220)	.026	75	21.0	-55 to +80	2,300
RG-59/U Type Precision Video	9209A	6.41	Belden	1/.023" BC (20.4)	FRSFPE (.146)	DF/95% TC (4.5)	PVC (.220)	.035	75	20.5	-40 to +75	300
RG-59/U Type	9224	6.82	Belden	1/.025" BCCS (54.0)	PE (.146)	None/93% BC (2.5)	PVC (.242)	.033	75	22.0	-40 to +75	1,900
RG-59/U Type Precision Video	9231	6.42	W/E 728B	1/.031" BC (9.9)	PE (.198)	None/97% TC None/95% TC (1.1)	PVC (.305)	.071	75	21.0	-40 to +60	1,900
RG-59/U Type	9240	6.37	Belden	1/.032" BCCS (44.5)	FPE (.143)	None/80% BC (5.6)	PVC (.241)	.028	75	17.3	-40 to +75	300
RG-59/U Type	9244	6.36	Belden	1/.025" BCCS (50.0)	PE (.146)	None/85% BC (4.5)	PVC (.242)	.034	75	19.4	-40 to +80	1,700
RG-59/U Type	9259	6.36	Belden	7/.030" BC (15.0)	FPE (.146)	None/95% BC (2.6)	PVC (.241)	.033	75	17.3	-40 to +80	300
RG-59/U Type Triaxial	9267	6.52	Belden	1/.032" BC (10.0)	GIFHDPE (.145)	Inner None/95% BC (2.5) Outer None/80% BC (2.6)	Inner PE (.216) Outer H (.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/ 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
RG-59/U Type (continued)												
RG-59/U Type	9274	6.37	Belden	1/.032" BCCS (44.5)	FPE (.143)	None/95% BC (3.5)	PVC (.240)	.030	75	16.3	-40 to +80	300
RG-59/U Type	9275	6.16	Belden	1/.032" BCCS (44.5)	GIFPE (.144)	DF/40% AL (17.0)	PVC (.237)	.023	75	16.2	-40 to +80	300
RG-59/U Type Dual	9555	6.84	Belden	1/.023" BCCS (50.0)	FRSFPE (.146)	None/95% BC (2.6)	PVC (.238 x .478)	.075	75	20.5	-40 to +80	300
RG-59/U Type	9659	6.36	Belden	7/.030" BC (15.0)	FPE (.146)	None/95% BC (2.6)	PVC-NC (.242)	.032	75	17.3	-40 to +80	300
RG-59/U Type Plenum	82108	6.18	Belden	1/.032" BCCS (26.0)	FFEP (.140)	DF/96% TC (2.6)	FLM (.202)	.035	75	16.5	0 to +75	300
RG-59/U Type Plenum	82241	6.35	Belden	1/.023" BCCS (49.0)	FEP (.134)	None/97% BC (2.6)	FLM (.190)	.035	75	19.5	-20 to +75	1,700
RB-59/U Type Plenum	82259	6.36	Belden	7/.030" BC (15.0)	FFEP (.135)	None/95% BC (2.6)	FLM (.193)	.036	75	17.3	-20 to +75	300
RG-59/U Type Plenum	88241	6.35	Belden	1/.023" BCCS (49.0)	FEP (.132)	None/97% BC (2.6)	FEP (.190)	.037	75	19.5	-70 to +200	1,700
RG-59/U Type Plenum Triax	88232	6.51	Belden	1/.032" BC (32.8)	FFEP (.140)	Inner None/95% BC (2.6) None/95% BC (2.6)	Inner FEP (.188) Outer FEP (.245)	.060	75	16.9	-40 to +200	300
RG-59/U Type Precision Video Plenum	88281	6.43	Belden	1/.032" BC (9.9)	FEP (.185)	None/98% TC None/96% TC (1.1)	PVDF (.271)	.082	75	19.0	-20 to +150	1,900
RG-59/U Type Plenum	89108	6.18	Belden	1/.032" BCCS (26.0)	FFEP (.140)	DF/96% TC (2.6)	FEP (.203)	.035	75	16.5	-70 to +200	300
RG-59/U Type Plenum	89259	6.36	Belden	7/.030" BC (15.0)	FFEP (.135)	None/95% BC (2.6)	FEP (.193)	.036	75	17.3	-70 to +200	300
RG-59/U Type Dual Plenum	89555	6.84	Belden	1/.023" BCCS (50.0)	FEP (.134)	None/97% BC (2.6)	FEP (.212 x .424)	.085	75	19.5	-70 to +200	1,700
RG-62 Type												
RG-62/U Type	8254	6.85	JAN-C-17A	1/.025" BCCS (41.2)	SSPE (.146)	None/95% BC (2.9)	PVC (.238)	.033	93	13.5	-40 to +80	750
RG-62B/U Type	8255	6.85	MIL-C-17D	7/.024" BCCS (59.0)	SSPE (.146)	None/95% BC (2.9)	PVC-NC (.242)	.032	93	13.5	-40 to +80	750
RG-62A/U Type	9228	6.85	Belden	1/.025" BCCS (41.2)	SSPE (.146)	None/95% BC (2.9)	HDPE (.242)	.033	93	13.5	-55 to +80	750
RG-62A/U Type	9268	6.85	Belden, IBM P/N 5252750	1/.025" BCCS (41.2)	SSPE (.146)	None/95% BC (2.9)	PVC (.260)	.037	93	13.5	-40 to +80	750
RG62A/U Type	9269	6.85	Belden, IBM P/N 323921	1/.025" BCCS (41.2)	SSPE (.146)	None/95% BC (2.9)	PVC (.239)	.034	93	13.5	-40 to +80	750
RG-62/QPL M17/30-RG62	9862	6.80	MIL-C-17G	1/.025" BCCS (41.2)	SSPE (.146)	None/95% BC (2.9)	PVC-NC (.242)	.033	93	13.5	-40 to +80	750
RG-62/U Type Plenum	82262	6.86	Belden	1/.025" BCCS (41.2)	FFEP (.146)	None/94% BC (3.4)	FLM (.204)	.035	93	12.5	0 to +75	300
RG-62/U Type Plenum	82269	6.86	Belden	1/.025" BCCS (41.2)	SSFEP (.142)	None/94% BC (3.4)	FLM (.200)	.035	93	12.8	0 to +75	750
RG-62/U Type Plenum	86262	6.86	Belden, IBM	1/.025" BCCS (41.2)	FFEP (.146)	None/94% BC (3.4)	FEP (.204)	.035	93	12.5	-70 to +200	300
RG-62/U Type Plenum	87269	6.86	Belden	1/.025" BCCS (41.2)	SSFEP (.142)	None/94% BC (3.4)	PVDF (.200)	.031	93	12.8	-20 to +150	750
RG-62/U Type Plenum	89269	6.86	Belden, IBM	1/.025" BCCS (41.2)	SSFEP (.142)	None/94% BC (3.4)	FEP (.200)	.033	93	12.8	-70 to +200	750
Other Misc. RG Types												
RG-63/QPL M17/31-RG63	9857	6.80	MIL-C-17G	1/.025" BCCS (41.2)	SSPE (.285)	None/97% BC (1.2)	PVC-NC (.405)	.078	125	9.7	-40 to +80	750
RG-71/QPL M17/90-RG71	9169	6.80	MIL-C-17G	1/.025" BCCS (41.2)	SSPE (.146)	None/95% BC None/95% TC (1.5)	PE (.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/ 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
Other Misc. RG Types (continued)												
RG-122/U QPL M17/157-00001	9252	6.76	MIL-C-17G	27/.030" TC (17.1)	PE (.096)	None/95% TC (5.2)	PVC-NC (.160)	.017	50	30.8	-40 to +80	1,400
RG-142B/U QPL M17/158-00001	83242	6.77	MIL-C-17G	1/.037" SCCS (19.3)	TFE (.116)	None/96% SC None/96% SC (2.3)	FEP (.195)	.043	50	29.0	-70 to +200	1,400
RG-142/ QPL M17/60-RG142	84142	6.77	MIL-C-17G	1/.037" SCCS (19.3)	TFE (.116)	None/96% SC None/96% SC (2.3)	FEP (.195)	.043	50	29.0	-70 to +200	1,400
RG-174/U Type RF100	7805	6.59	Belden	1/.018" BC (32.0)	PE (.061)	DF/90% TC (9.1)	PVC (.110)	.010	50	31.2	-40 to +75	1,100
RG-174/U Type RF 100 Low Loss	7805R	6.59	Belden	1/.0195" BC (27.3)	FPE (.060)	DF/90% TC (9.4)	PVC (.110)	.010	50	26.2	-40 to +75	300
RG-174/U Type	8216	6.67	MIL-C-17F	7/.019" BCCS (97.0)	PE (.060)	None/90% TC (10.7)	PVC (.110)	.008	50	30.8	-40 to +75	1,100
RG-174/U Type	9239	6.82	Belden	7/.019" BCCS (97.0)	PE (.044)	None/90% TC (14.0)	PVC (.101)	.008	50	38.0	-40 to +60	1,100
RG-178B/U QPL M17/169-00001	83265	6.76	MIL-C-17G	7/.012" SPCCS (244.0)	TFE (.033)	None/95% SPC (14.6)	FEP (.071)	.005	50	29.0	-70 to +200	750
RG-179/QPL M17/94-RG179	83264	6.79	MIL-C-17G	7/.012" SPCCS (244.0)	TFE (.062)	None/94% SPC (8.5)	FEP (.100)	.010	75	19.5	-70 to +200	900
RG-180/QPL M17/95-RG180	83266	6.80	MIL-C-17G	7/.012" SPCCS (244.0)	TFE (.102)	None/91% SPC (6.5)	FEP (.141)	.018	95	15.0	-70 to +200	1,100
RG-187A/U Type	83267	6.84	MIL-C-17D	7/.012" SPCCS (244.0)	TFE (.063)	None/95% SPC (8.6)	TFE-T (.103)	.010	75	19.5	-70 to +200	900
RG-188A/U Type	83269	6.67	MIL-C-17D	7/.020" SPCCS (91.2)	TFE (.058)	None/96% SPC (8.5)	TFE-T (.098)	.011	50	29.0	-70 to +200	900
RG-212/U QPL M17/162-00001	9861	6.78	MIL-C-17G	1/.056" SPC (3.3)	PE (.185)	None/95% SPC None/95% SC (1.1)	PVC-NC (.332)	.081	50	30.8	-50 to +80	2,200
RG-213/U QPL M17/163-00001	8267	6.78	MIL-C-17G	7/.089" BC (1.7)	PE (.285)	None/96% BC (1.2)	PVC-NC (.405)	.102	50	30.8	-40 to +80	3,700
RG-214/U QPL M17/164-00001	8268	6.78	MIL-C-17G	7/.089" SPC (1.7)	PE (.285)	None/97% SPC None/97% SPC (.7)	PVC-NC (.425)	.128	50	30.8	-40 to +80	3,700
RG-216/QPL M17/77-RG216	9850	6.79	MIL-C-17G	7/.048" TC (6.1)	PE (.285)	None/95% BC None/95% BC (.8)	PVC-NC (.425)	.122	75	20.5	-40 to +80	3,700
RG-223/U QPL M17/167-00001	9273	6.77	MIL-C-17G	1/.034" SCC (8.8)	PE (.117)	None/95% SCC None/95% SCC (2.5)	PVC-NC (.212)	.036	50	30.8	-40 to +60	1,400
RG-303/QPL M17/111-RG303	84303	6.77	MIL-C-17G	1/.037" SPCCS (16.3)	TFE (.116)	None/95% SCC (4.3)	FEP (.170)	.030	50	29.0	-70 to +200	1,400
RG-316/U QPL M17/172-00001	83284	6.76	MIL-C-17G	7/.020" SPCCS (84.1)	TFE (.058)	None/95% SPC (6.5)	FEP (.098)	.010	50	29.0	-70 to +200	900
RG-316/QPL M17/113-RG316	84316	6.76	MIL-C-17G	7/.020" SPCCS (84.1)	TFE (.058)	None/95% SPC (6.5)	FEP (.098)	.010	50	29.0	-70 to +200	900
Miniature Coax												
Miniature Coax	8218	6.34	Belden	7/.017" BCCS (120.0)	PE (.100)	None/93% TC (5.7)	PVC (.150)	.014	75	20.5	-40 to +60	1,700
Miniature Coax	8700	6.82	Belden	1/.013" TC (66.9)	PP (.023)	None/90% BC (28.7)	PVC (.054)	.003	32	55.2	-30 to +105	300
Miniature Coax	9221	6.34	Belden	7/.012" TC (100.0)	FHDPE (.058)	None/89% TC (11.7)	PVC (.097)	.006	75	17.3	-40 to +60	30
Miniature RG-59/U Type	1855A	6.40	Belden	1/.023" BC (20.1)	GIFHDPE (.102)	DF/95% TC (7.6)	PVC (.159)	.018	75	16.3	-30 to +75	300
Sub-Miniature RG-59/U Type	1865A	6.40	Belden	19/.021" BC (27.4)	GIFHDPE (.094)	DF/95% TC (5.4)	PVC (.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/ 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
Bundled Coax													
Bundled Coax Sub-Miniature RGB	1520A	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	1521A	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	1522A	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	1406B	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	1407B	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	1417B	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	1164B	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	1167B	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	1418B	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	1277R	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	1278R	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	1279R	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	1280R	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	1277P	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	1278P	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	1279P	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	1280P	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®	1281S3	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	1281S4	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	1281S5	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	1281S6	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	1282S3	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	1282S4	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	1282S5	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	1282S6	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
Bundled Coax (continued)													
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
S-Video Coax													
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/ 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 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	9275	NEC: 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: CM	U-1000 [▲]	U-304.8	23.0	10.4	.032" BCCS										Sweep tested 5 MHz to 550 MHz.		
							44.5Ω/M'										146.0Ω/km		

[▲]U-1000 ft. put-up also available in White.

80°C	9100	NEC: 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: CM	U-1000 [▲]	U-304.8	23.0	10.4	.032" BCCS										Sweep tested 5 MHz to 1 GHz.		
							44.5Ω/M'										146.0Ω/km		

[▲]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/ 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 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	9104	NEC: CATV CM CEC: CM	U-1000 [▲] 1000 [▲]	U-304.8 304.8	24.0 24.0	10.9 10.9	20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.144	3.66	Duobond II* + 67% Aluminum Braid 12.0Ω/M' 39.4Ω/km	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.92		
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[▲]U-1000 ft. put-ups also available in Beige and White.
[▲]1000 ft. put-up available in Black only.

80°C	9104N	—	1000 [*]	304.8	24.0	10.9	20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.144	3.66	Duobond II* + 67% Aluminum Braid 12.0Ω/M' 39.4Ω/km	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.92		
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^{*}1000 ft. put-up also available in White.

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

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

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

Aerial 80°C	9105M new		1000	304.8	38.0	17.3	20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.144	3.66	Duobond II* + 67% Aluminum Braid 12.0Ω/M' 39.4Ω/km	.240 x .387	6.10 x 9.83	75	83%	16.2	53.1	See Chart on page 6.92		
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Sweep tested 5 MHz to 1 GHz.

80°C	9110	NEC: CATV CM CEC: CM	U-1000 [▲]	U-304.8	24.0	10.9	20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.144	3.66	Duobond III* + 67% Aluminum Braid 12.0Ω/M' 39.4Ω/km	.242	6.15	75	83%	16.2	53.1	See Chart on page 6.92		
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[▲]U-1000 ft. put-up available in White only.

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

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).

[†]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/ 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 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	89108	NEC:	500 [†]	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 [†]	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	82108	NEC:	U-1000 [†]	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 [†]	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	1151A	NEC:	1000 [†]	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

[†]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	9066	—	1000	304.8	26.0	11.8	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.92		
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CoreGuard®


Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	9116	NEC: U-500 [▲] CATV 500 [▲] CM S-700 CEC: U-1000 [♦] CM 1000 [♦]	U-1000	U-152.4	15.0	6.8	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.92		
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*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	9116R	NEC: U-1000 CATVR 1000 CMG CEC: CMG FT4	U-1000	U-304.8	33.0	15.0	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.92		
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80°C	1545A	NEC: CATV CM CEC: CM	1000	304.8	31.0	14.1	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	See Chart on page 6.92 Sweep tested 5 MHz to 1 GHz.		
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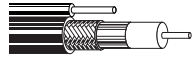
CoreGuard®

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

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

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

.051" (1.3mm) galvanized steel messenger.

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


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

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

75°C	9116P	NEC: CATVP CMP CEC: CMP FT6	U-1000	U-304.8	27.0	12.3	18 AWG (solid) .040" 28.0Ω/M' 91.9Ω/km	.170	4.32	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.235	5.97	75	83%	16.3	53.5	1	.3	1.0
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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/ 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 (90% Coverage)

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

80°C	1530A	NEC: CATV CM CEC: CM	U-1000 [▲] 1000 [▲]	U-304.8 304.8	31.0 32.0	14.1 14.5	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180 4.57	Duobond II* + 90% Aluminum Braid 5.0Ω/M' 16.4Ω/km	.270 6.86	75	83%	16.2	53.1	See Chart on page 6.92		
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[▲]1000 ft. and U-1000 ft. put-ups also available in White Neutral.

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

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

Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	1531AM	—	1000	304.8	45.0	20.4	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180 4.57	Duobond II* + 90% Aluminum Braid 5.0Ω/M' 16.4Ω/km	.270 6.86 x x .410 10.41	75	83%	16.2	53.1	See Chart on page 6.92		
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.051" (1.3mm) galvanized steel messenger.

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

Burial 80°C	1532A	—	1000	304.8	27.0	12.3	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180 4.57	Duobond II* + 90% Aluminum Braid 5.0Ω/M' 16.4Ω/km	.270 6.86	75	83%	16.2	53.1	See Chart on page 6.92		
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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/ 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® III + Aluminum Braid Shield (60% Coverage)

Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	9118	NEC: CATV CM CEC: CM	U-1000 [▲] 1000	U-304.8 304.8	30.0 30.0	13.6 13.6	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond III* + 60% Aluminum Braid 6.5Ω/M' 21.3Ω/km	.278 x	7.06 x	75	83%	16.2	53.1	See Chart on page 6.92		
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▲U-1000 ft. put-up also available in Beige, White and White Neutral.

80°C	9119M	—	1000	304.8	43.0	19.5	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond III* + 60% Aluminum Braid 6.5Ω/M' 21.3Ω/km	.275 x	6.99 x	75	83%	16.2	53.1	See Chart on page 6.92		
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.051" (1.3mm) galvanized steel messenger.

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

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

Burial 80°C	1837A	—	1000	304.8	26.0	11.8	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond III* + 60% Aluminum Braid 6.5Ω/M' 21.3Ω/km	.275	6.99	75	83%	16.2	53.1	See Chart on page 6.92		
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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	5339G5 <small>new</small>	NEC: CATV, CMG CEC: CMG FT4	U-1000 1000	U-304.8 304.8	24.0 24.0	10.9 10.9	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Bonded Beldfoil + 50% AL Braid 15.0Ω/M' 49.2Ω/km	.253	6.43	75	83%	16.2	53.1	See Chart on page 6.92		
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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/ 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(s) • Duobond® III + Aluminum Braid Shield (77% Coverage)

Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	1613A	NEC: B-700 [▲] CATV U-1000 [▲] CM 1000 CEC: U-304.8 CM 304.8	B-213.0	19.6	8.9	18 AWG (solid)	.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	.040"			BCCS									
				28.0Ω/M'					5.6Ω/M'									
				91.9Ω/km					18.4Ω/km									

[▲]B-700 also available in White. U-1000 ft. also available in White and White Neutral.

80°C	1615AM	—	1000	304.8	44.0	20.0	18 AWG (solid)	.180	4.57	Duobond III* + 77% Aluminum Braid	.275	6.99	75	83%	16.2	53.1	See Chart on page 6.92		
							.040"			Aluminum	.416	10.57							
							BCCS			Braid									
							28.0Ω/M'			5.6Ω/M'									
							91.9Ω/km			18.4Ω/km									

.051" (1.3mm) galvanized steel messenger.

80°C	1616AM	—	1000	304.8	45.0	20.4	18 AWG (solid)	.180	4.57	Duobond III* + 77% Aluminum Braid	.275	6.99	75	83%	16.2	53.1	See Chart on page 6.92		
							.040"			Aluminum	.416	10.57							
							BCCS			Braid									
							28.0Ω/M'			5.6Ω/M'									
							91.9Ω/km			18.4Ω/km									

CoreGuard®

.051" (1.3mm) galvanized steel messenger.

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

Burial	1614A	—	1000	304.8	27.0	12.3	18 AWG (solid)	.180	4.57	Duobond III* + 77% Aluminum Braid	.275	6.99	75	83%	16.2	53.1	See Chart on page 6.92		
80°C							.040"			Aluminum									
							BCCS			Braid									
							28.0Ω/M'			5.6Ω/M'									
							91.9Ω/km			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/ 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(s) • Duobond Plus® + Aluminum Braid Shield (77% Coverage)


Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	9058	NEC: CATV CM CEC: CM	U-1000*	U-304.8	32.0	14.5	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond Plus* + 77% Aluminum Braid 5.6Ω/M' 18.4Ω/km	.275	6.99	75	83%	16.2	53.1	See Chart on page 6.92		
 <p>Shorting Fold</p>																			

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

80°C	9059M <small>new</small>	—	1000	304.8	43.0	19.5	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond Plus* + 77% Aluminum Braid 5.6Ω/M' 18.4Ω/km	.275	6.99	75	83%	16.2	53.1	See Chart on page 6.92		
 <p>Shorting Fold CoreGuard®</p>																			

.051" (1.3mm) galvanized steel messenger.

80°C	1260AM	—	1000	304.8	44.0	20.0	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond Plus* + 77% Aluminum Braid 5.6Ω/M' 18.4Ω/km	.275	6.99	75	83%	16.2	53.1	See Chart on page 6.92		
 <p>Shorting Fold CoreGuard</p>																			

.051" (1.3mm) galvanized steel messenger.

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

80°C	9062	—	1000	304.8	27.0	12.3	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond Plus* + 77% Aluminum Braid 5.6Ω/M' 18.4Ω/km	.275	6.99	75	83%	16.2	53.1	See Chart on page 6.92		
 <p>Shorting Fold CoreGuard</p>																			

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/ 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 • Black PVC Jacket

80°C	1191AM	—	1000	304.8	46.0	20.9	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond IV* 60% & 40% Aluminum Braids 4.8Ω/M' 15.7Ω/km	.298 x .433	7.57 x 11.00	75	83%	16.2	53.1	See Chart on page 6.92		
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.051" (1.3mm) galvanized steel messenger.

80°C	1322R <small>NEW</small>	NEC: CATVR, CMR CEC: CMG FT4	U-1000 1000	U-304.8 304.8	41.0 35.0	18.6 15.9	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond IV* 60% & 40% Aluminum Braids 4.8Ω/M' 15.7Ω/km	.298	7.57	75	83%	16.2	53.1	5 55 500 750 1000 1450 1800 3000	.5 1.4 4.1 5.1 6.0 7.4 8.3 10.5	1.6 4.6 13.5 16.7 19.7 24.3 27.2 34.5
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Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black or White)

80°C	1189A	NEC: CATV, CM CEC: CM	U-500 U-1000 [▲]	U-152.4 304.8	18.0 35.0	8.2 15.9	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond IV* 60% & 40% Aluminum Braids 4.8Ω/M' 15.7Ω/km	.298	7.57	75	83%	16.2	53.1	See Chart on page 6.92		
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[▲]1000 ft. put-up also available in Beige or White Neutral.

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

75°C	1189AP	NEC: CATVP CMP CEC: CMP FT6	1000	304.8	32.0	14.5	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.170	4.32	Duobond IV* 60% & 40% Aluminum Braids 4.8Ω/M' 15.7Ω/km	.248	6.30	75	83%	16.3	53.5	1 10 50 100 200 400 700 900 1000	.3 .7 1.6 2.2 3.0 4.6 6.6 7.7 8.2	1.0 2.2 5.3 7.2 9.8 15.1 21.7 25.3 26.9
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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 80°C	1190A	—	1000	304.8	31.0	14.1	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond IV* 60% + 40% Aluminum Braids 4.8Ω/M' 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: CATVP CMP CEC: CMP FT6	500	152.4	21.5	9.8	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.170	4.32	Duofoil 95% TC Braid 1.7Ω/M' 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: CATVP CMP CEC: CMP FT6, CXC FT4	500	152.4	20.5	9.3	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.170	4.32	Duofoil 95% TC Braid 1.7Ω/M' 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: CATVP CMP CEC: CMP FT6	1000	304.8	44.0	20.0	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.170	4.32	Duofoil 95% TC Braid 1.7Ω/M' 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: CMP CEC: CMP FT6	500	152.4	27.5	12.5	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.170	4.32	(2) Duofoil Shields + (2) TC Braids 1.8Ω/M' 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/ 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" BCCS Conductor • Duofoil® (100% Coverage) + Aluminum Braid Shield (40% Coverage)

Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	9011	—	1000	304.8	66.0	29.9	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duofoil + 40% Aluminum Braid 5.3Ω/M' 17.4Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.92		
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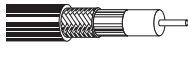


Sweep tested 5 MHz to 1 GHz.

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

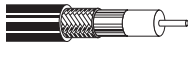
80°C	1523A	NEC: CATV CM CEC: CM	1000 [▲]	304.8	67.0	30.4	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond II* + 60% Aluminum Braid 4.1Ω/M' 13.4Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.92		
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Sweep tested 5 MHz to 1 GHz.


[▲]1000 ft. put-up also available in White.

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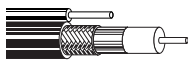
Sweep tested 5 MHz to 1 GHz.

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

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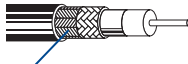


Sweep tested 5 MHz to 1 GHz.

.072" (1.83mm) galvanized steel messenger.

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

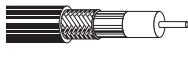
Burial 80°C	1525A	—	1000	304.8	60.0	27.3	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond II* + 60% Aluminum Braid 4.1Ω/M' 13.4Ω/km	.400	10.16	75	83%	16.2	53.1	See Chart on page 6.92		
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Sweep tested 5 MHz to 1 GHz.

Plenum • Foam FEP Insulation • Black Fluorocopolymer Jacket

150°C	1523AP	NEC: CATVP CMP CEC: CMP	1000	304.8	62.0	28.2	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.274	6.96	Duobond II* + 60% Aluminum Braid 4.1Ω/M' 13.4Ω/km	.348	8.84	75	83%	16.3	53.5	1	2	.6
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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/ 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 Plus® + Aluminum Braid Shield (77% Coverage)

Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	9064	NEC: CATV CM CEC: CM	1000	304.8	68.0	30.9	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		
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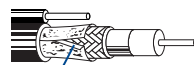


Shorting Fold

Sweep tested 5 MHz to 1 GHz.

Aerial 80°C

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 x .580	10.16 x 14.73	75	83%	16.2	53.1	See Chart on page 6.92		
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Shorting Fold

Sweep tested 5 MHz to 1 GHz.

.072" (1.8mm) galvanized steel messenger.

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

Burial 80°C	9764	—	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		
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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	7983A <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 x .580	10.16 x 14.73	75	83%	16.2	53.1	See Chart on page 6.92		
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CoreGuard®

.072" (1.8mm) galvanized steel messenger.

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

Burial 80°C	7984A <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		
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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)

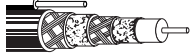
Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C	1617A	NEC: CATV CEC: CM	1000	304.8	67.0	30.5	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond IV* 60% & 40% Aluminum Braids 3.0Ω/M' 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	1619AM	—	1000	304.8	84.0	38.2	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond IV* 60% & 40% Aluminum Braids 3.0Ω/M' 9.8Ω/km	.407 x .560	10.34 x 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	1620AM	—	1000	304.8	87.0	39.5	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond IV* 60% & 40% Aluminum Braids 3.0Ω/M' 9.8Ω/km	.407 x .560	10.34 x 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 80°C	1618A	—	1000	304.8	61.0	27.7	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond IV* 60% & 40% Aluminum Braids 3.0Ω/M' 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	1153A	NEC: CMP CL2P CEC: CMP FT6	500 1000	152.4 304.8	52.5 106.0	23.9 48.2	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	(2) Duofoil Shields + (2) TC Braids BCCS 1.8Ω/M' 5.9Ω/km	.387	9.83	75	82%	16.2	53.1	1 10 50 100 200 400 700 900 1000	.2 .4 1.2 1.7 2.5 3.5 4.6 5.3 5.6	.7 1.3 3.9 5.6 8.2 11.5 15.1 17.4 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

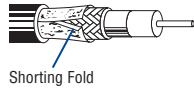
Headend/Video Cables

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	9167	NEC: CATVR CMR CEC: CMG FT4	1000	304.8	27.0	12.3	20 AWG (solid) .032" SPCCS 25.8Ω/M' 84.6Ω/km	.144	3.66	Duobond Plus* + 95% Aluminum Braid 4.5Ω/M' 14.8Ω/km	.242	6.15	75	83%	16.2	53.1	See Chart on page 6.92		
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*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 Digital Video 75°C	1505A	NEC: CMR CEC: CMG FT4	500 [▲] 1000 5000 [•]	152.4 304.8 1524.0	15.5 35.0 165.0	7.0 16.4 74.8	20 AWG (solid) .032" BC 10.0Ω/M' 32.8Ω/km	.145	3.68	Duofoil + 95% TC Braid 3.8Ω/M' 12.5Ω/km	.233	5.92	75	83%	16.3	53.5	1 3.6 5 7 10 67.5 71.5 88.5 100 135 143 180 270 360 540 720 750 1000 1500 2000 2250 3000	.3 .6 .6 .7 .9 2.1 2.1 2.2 2.3 2.7 2.8 3.1 3.8 4.4 5.5 6.4 6.5 7.6 7.6 8.9 9.2 10.2 12.5 14.4 18.0 21.0 21.3 24.9 30.5 30.5 38.0 44.0	1.0 1.8 2.1 2.4 2.9 6.7 6.9 7.2 7.6 8.9 9.2 10.2 12.5 14.4 18.0 21.0 21.3 24.9 30.5 30.5 38.0 44.0
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For Plenum version of 1505A, see 1506A.

Also available in bundled versions. See 7794A through 7798A.

[▲]500 ft. put-up available in Black, Red or Blue only.

[•]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[†] • 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 SDI/HDTV Video Patch 75°C	1505F	NEC: CM CEC: CM	1000	304.8	45.0	20.4	22 AWG (7x29) .031" BCC 12.2Ω/M' 40.0Ω/km	.145	3.68	TC Double Braid 94% Shield Coverage 2.4Ω/M' 7.8Ω/km	.242	6.15	75	80%	17.0	55.7	1 3.6 5 7 10 67.5 71.5 88.5 100 135 143 180 270 360 540 720 750 1000 1500 2000 2250 3000	.2 .5 .6 .7 .9 2.4 2.4 2.5 2.8 3.0 3.5 3.6 4.1 5.1 6.0 7.4 8.7 8.9 10.5 13.3 15.7 16.9 20.3	.7 1.6 2.0 2.4 2.9 7.9 8.2 9.2 9.8 11.5 11.8 13.5 16.7 19.7 24.3 28.5 29.2 34.4 43.6 51.5 55.4 66.6
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[†]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/ 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 .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	8281	—	500 [*]	152.4	37.5	17.0	20 AWG (solid) .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	8281B	NEC: CMR CEC: CMG FT4	1000	304.8	84.0	38.1	20 AWG (solid) .031"	.198	5.03	TC Double Braid	.305	7.75	75	66%	21.0	68.9	1	.3	1.0
Style 1354 (30V 80°C)			1000	304.8	84.0	38.1											3.6	.5	1.6
																	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 60°C	8281F	—	500 [*]	152.4	34.5	15.7	22 AWG (7x29) .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/ 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 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	1829A	NEC: CATV CM CEC: CM	U-1000† 1000†	U-304.8 304.8	29.0 29.0	13.2 13.2	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2
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†Final put-up length may vary ±10% for spools, ±5% for unreel cartons.


	80°C	1829AC	NEC: CATV CM CEC: CM	U-1000 [▲] 1000 [▲]	U-304.8 304.8	27.0 27.0	12.3 12.3	18 AWG (solid) .040" BCAC 6.4Ω/M' 21.0Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250 3000	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8 11.3	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2 37.1
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[▲]U-1000 ft. put-up available in Black, White or Gray only. 1000 ft. available in White or Black only.

	80°C	1829R <small>new</small>	NEC: CATVR, CMR CEC: CMG FT4	U-1000* 1000*	U-304.8 304.8	29.0 29.0	13.2 13.2	18 AWG (solid) .040" BCCS 28.0Ω/M' 21.0Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250 3000	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8 11.3	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2 37.1
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*U-1000 ft. put-up not available in Neutral.

Gas-injected Foam Polyethylene Insulation • Black Polyethylene Jacket

 <p>CoreGuard®</p>	Burial 80°C	1829B	—	1000	304.8	26.0	11.8	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2
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 <p>CoreGuard®</p>	Burial 80°C	1829BC	—	1000	304.8	27.0	12.3	18 AWG (solid) .040" BCAC 6.4Ω/M' 21.0Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.1	5 55 211 500 750 862 1000 1450 1800 2250 3000	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8 11.3	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2 37.1
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Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

	75°C	1829P <small>new</small>	NEC: CATVP, CMP CEC: CMP FT6	U-1000 1000	U-304.8 304.8	27.0 27.0	12.3 12.3	18 AWG (solid) .040" BCCS 28.0Ω/M' 91.9Ω/km	.170	4.32	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.235	5.97	75	83%	16.3	53.4	1 10 50 100 200 400 700 900 1000 1450 1800 2250 3000	.3 .7 1.5 2.1 3.0 4.4 6.1 7.2 7.6 9.6 11.0 12.7 15.1	1.0 2.2 4.9 6.9 9.8 14.4 20.0 23.6 24.9 31.5 36.1 41.7 49.5
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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).

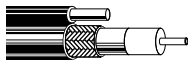
DBS Cable

Series 6

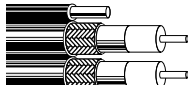
Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.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

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

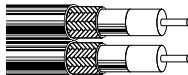
Gas-injected Foam Polyethylene Insulation • Black PVC Jacket

80°C 	1839A	—	1000	304.8	40.0	18.1	18 AWG (solid)	.180	4.57	Duobond II*	.270	6.86	75	83%	16.2	53.1	5	.5	1.6		
							.040"			+ 60%							x	x	55	1.4	4.6
							BCCS			Aluminum							.405	10.29	211	2.6	8.5
							28.0Ω/M'			Braid									500	4.1	13.5
							91.9Ω/km			9.0Ω/M'									750	5.1	16.7
										29.5Ω/km									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 	1840A	—	500	152.4	37.5	17.0	18 AWG (solid)	.180	4.57	Duobond II*	.273	6.93	75	83%	16.2	53.1	5	.5	1.6		
			1000	304.8	74.0	33.6	.040"			+ 60%							x	x	55	1.4	4.6
							BCAC			Aluminum							.703	17.86	211	2.6	8.5
							28.0Ω/M'			Braid									500	4.1	13.5
							91.9Ω/km			9.0Ω/M'									750	5.1	16.7
										29.5Ω/km									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.

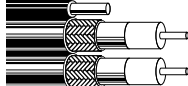
80°C 	1841A	NEC: CATV CM CEC: CM	1000	304.8	66.0	30.0	18 AWG (solid)	.180	4.57	Duobond II*	.273	6.93	75	83%	16.2	53.1	5	.5	1.6		
							.040"			+ 60%							x	x	55	1.4	4.6
							BCCS			Aluminum							.595	15.11	211	2.6	8.5
							28.0Ω/M'			Braid									500	4.1	13.5
							91.9Ω/km			9.0Ω/M'									750	5.1	16.7
										29.5Ω/km									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)

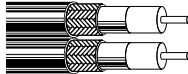
80°C 	1839AC	—	1000 [▲]	304.8	44.0	20.0	18 AWG (solid)	.180	4.57	Duobond II*	.270	6.86	75	83%	16.2	53.1	5	.5	1.6		
							.040"			+ 60%							x	x	55	1.4	4.6
							BCAC			Aluminum							.405	10.29	211	2.6	8.5
							6.4Ω/M'			Braid									500	4.1	13.5
							21.0Ω/km			9.0Ω/M'									750	5.1	16.7
										29.5Ω/km									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

[▲]1000 ft. put-up not available in White.

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

80°C 	1840AC	—	500	152.4	38.0	17.2	18 AWG (solid)	.180	4.57	Duobond II*	.273	6.93	75	83%	16.2	53.1	5	.5	1.6		
							.040"			+ 60%							x	x	55	1.4	4.6
							BC			Aluminum							.703	17.86	211	2.6	8.5
							6.4Ω/M'			Braid									500	4.1	13.5
							21.0Ω/km			9.0Ω/M'									750	5.1	16.7
										29.5Ω/km									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 	1841AC	NEC: CATV CM CEC: CM	500	152.4	32.5	14.7	18 AWG (solid)	.180	4.57	Duobond II*	.273	6.93	75	83%	16.2	53.1	5	.5	1.6		
							.040"			+ 60%							x	x	55	1.4	4.6
							BCAC			Aluminum							.595	15.11	211	2.6	8.5
							6.4Ω/M'			Braid									500	4.1	13.5
							21.0Ω/km			9.0Ω/M'									750	5.1	16.7
										29.5Ω/km									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/ 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)

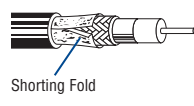
Gas-injected Foam Polyethylene Insulation • Black Polyethylene Jacket

 <p>CoreGuard®</p>	Burial 80°C	1843A	—	1000	304.8	64.0	29.1	18 AWG (solid) .040"	.180	4.57	Duobond II* + 60% Aluminum Braid	.273 X .750	6.93 X 19.05	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.
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)

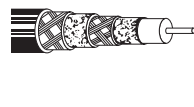
Gas-injected Foam Polyethylene Insulation • PVC Jacket (Black or White)

 <p>Shorting Fold</p>	80°C	7915A	NEC:	U-500	U-152.4	16.5	7.5	18 AWG (solid) .040"	.180	4.57	Duobond Plus** 77% & 80% Aluminum Braids	.275	6.99	75	83%	16.2	53.1	5	.5	1.6
			CATV CM	500	152.4	18.0	8.2											55	1.4	4.6
			CEC:	U-1000	U-304.8	32.0	14.5											211	2.6	8.5
			CM	1000	304.8	32.0	14.5											500	4.1	13.5
			BC															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)

	7916A	NEC:	U-500	U-152.4	18.5	8.4	18 AWG (solid) .040"	.180	4.57	Duobond IV* 60% & 40% Aluminum Braids	.298	7.57	75	83%	16.2	53.1	5	.5	1.6
		CATV CM	500	152.4	19.5	8.9											55	1.4	4.6
		CEC:	U-1000	U-304.8	36.0	16.3											211	2.6	8.5
		CM	1000	304.8	35.0	15.9											500	4.1	13.5
		BC															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/ 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

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

Foam HDPE Insulation • Black PVC Jacket																			
UL AWM	9221	—	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	8218	—	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	1281R	NEC: 1	1000	304.8	8.0	3.6	25 AWG	.074	1.88	Duobond	.114	2.90	75	80%	17.0	55.8	1	.5	1.7
	new	CMR					(solid)			(100%)							5	1.2	3.8
		CEC:					.018"			+ 95%							50	3.7	12.1
		CMG					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	1282P	NEC: 1	1000	304.8	10.0	4.5	25 AWG	.074	1.88	Duobond	.114	2.90	75	81%	17.0	55.8	1	.4	1.3
	new	CMP					(solid)			(100%)							5	.9	3.0
		CEC:					.018"			+ 95%							50	3.7	12.1
		CMP FT6					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/ 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 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	8241	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	

For Plenum versions of 8241, see 88241 or 82241.

[▲]U-1000 ft. put-up also available in Red, Yellow, Green, Lt. Blue, White or Orange.

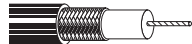
Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket																				
UL AWM	8241A	NEC:	U-1000	U-304.8	40.0	18.1	23 AWG	.146	3.71	BC Braid	.242	6.15	75	66%	20.5	67.3	1	.6	2.0	
Style 1354		CMG	1000	304.8	42.0	19.1	(solid)			95% Shield								5	.9	3.0
(30V 75°C)		CEC:					.023"			Coverage								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	8241B	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	8241F	—	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	88241	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	82241	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

Standard Analog Video Cable

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

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

Polyethylene Insulation • Black PVC Jacket

UL AWM	8263	NEC:	U-500	U-152.4	19.5	8.9	22 AWG	.146	3.71	BC Braid	.242	6.15	75	66%	20.5	67.3	1	.6	2.0
Style 1354		CMX:	U-1000	U-304.8	38.0	17.2	(solid)			95% Shield							10	1.1	3.6
(30V 60°C)		CEC:	1000	304.8	39.0	17.7	.023"			Coverage							50	2.4	7.9
		CMX:					BCCS			2.6Ω/M'							100	3.4	11.2
							49.0Ω/M'			8.5Ω/km							200	4.9	16.1
							160.7Ω/km										400	7.0	23.0
																	700	9.7	31.8
																	900	11.1	36.4
																	1000	12.0	39.4

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

Foam Polyethylene Insulation • Black PVC Jacket

75°C	8221	—	U-500	U-152.4	18.5	8.4	22 AWG	.146	3.71	BC Braid	.242	6.15	80	78%	16.3	53.5	1	.4	1.4
			500	152.4	17.0	7.7	(solid)			95% Shield							10	.9	3.0
			U-1000	U-304.8	36.0	16.3	.025"			Coverage							50	2.0	6.6
			1000	304.8	37.0	16.8	BCCS			2.6Ω/M'							100	2.9	9.5
							50.0Ω/M'			8.5Ω/km							200	4.1	13.5
							164.0Ω/km										400	5.9	19.4
																	700	7.8	25.6
																	900	8.8	28.9
																	1000	9.9	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	9244	NEC:	U-500	U-152.4	18.0	8.2	22 AWG	.146	3.71	BC Braid	.242	6.15	75	66%	19.4	63.6	1	.6	2.0
Style 1354		CMX:	U-1000	U-304.8	35.0	15.9	(solid)			85% Shield							10	1.1	3.6
(30V 80°C)		CEC:	1000	304.8	36.0	16.3	.025"			Coverage							50	2.4	7.9
		CMX:	3280	1000.0	118.1	53.8	BCCS			4.5Ω/M'							100	3.4	11.2
							50.0Ω/M'			14.8Ω/km							200	4.9	16.1
							164.0Ω/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 • Black PVC Jacket

UL AWM	9659	NEC:	U-500	U-152.4	19.0	8.6	22 AWG	.146	3.71	BC Braid	.242	6.15	75	78%	17.3	56.7	1	.3	1.0
Style 1354		CMX:	U-1000	U-304.8	37.0	16.8	(7x30)			95% Shield							10	.9	3.0
(30V 60°C)		CEC:	1000	304.8	38.0	17.2	.030"			Coverage							50	2.1	6.9
VW-1		CMX:					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

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

UL AWM	9259	NEC:	100	30.5	4.1	1.9	22 AWG	.146	3.71	BC Braid	.241	6.12	75	78%	17.3	56.7	1	.3	1.0
Style 1354		CM	U-500	U-152.4	18.0	8.2	(7x30)			95% Shield							10	.9	3.0
(30V 80°C)		CEC:	500	152.4	16.5	7.5	.030"			Coverage							50	2.1	6.9
		CM	U-1000	U-304.8	35.0	15.9	BC			2.6Ω/M'							100	3.0	9.8
			1000	304.8	37.0	16.8	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

For CCTV applications. Suitable for Indoor and Outdoor applications.

Plenum • Foam FEP Insulation • Black FEP Jacket

200°C	89259	NEC:	100†	30.5	5.1	2.3	22 AWG	.135	3.43	BC Braid	.193	4.90	75	78%	17.3	56.7	1	.3	1.0
		CMP	500†	152.4	16.0	7.3	(7x30)			95% Shield							10	.9	3.0
		CEC:	1000†	304.8	32.0	14.5	.030"			Coverage							50	2.1	6.9
		CMP FT6					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	9.0	29.5
																	900	10.1	33.1
																	1000	11.0	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	82259	NEC:	U-1000	U-304.8	31.0	14.1	22 AWG	.135	3.43	BC Braid	.193	4.90	75	78%	17.3	56.7	1	.3	1.0
		CMP	1000	304.8	30.0	13.6	(7x30)			95% Shield							10	.9	3.0
		CEC:					.030"			Coverage							50	2.1	6.9
		CMP FT6					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	9.0	29.5
																	900	10.1	33.1
																	1000	11.0	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/ 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 .032" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (80% Coverage)

Foam Polyethylene Insulation • Black PVC Jacket																			
75°C	9240	—	1000	304.8	31.0	14.1	20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.143	3.63	BC Braid 80% Shield Coverage 5.6Ω/M' 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)

Foam Polyethylene Insulation • Black Polyethylene Jacket																			
80°C	8212	—	U-500	U-152.4	16.5	7.5	20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.143	3.63	BC Braid 95% Shield Coverage 2.6Ω/M' 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.

Foam Polyethylene Insulation • Black PVC Jacket																			
80°C	9274	NEC: CM CEC: CM	500	152.4	15.5	7.0	20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.143	3.63	BC Braid 95% Shield Coverage 3.5Ω/M' 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)

Gas-injected Foam HDPE Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 75°C)	1426A	NEC: CM	U-1000	U-304.8	35.0	15.9	20 AWG (solid) .032" BC 10.0Ω/M' 32.8Ω/km	.145	3.68	BC Braid 95% Shield Coverage 2.6Ω/M' 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/ 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

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


Polyethylene Insulation • Black Polyethylene Jacket																				
MATV Cable 80°C	8215	—	1000	304.8	74.0	33.6	21 AWG (solid) .028"	.185	4.70	(2) BC Braids 98% Shield Coverage	.332	8.43	75	66%	20.5	67.2	1	.4	1.3	
							32.0Ω/M'			1.1Ω/M'							100% Sweep tested. 5 MHz to 450 MHz.	10	.8	2.6
							105.0Ω/km			3.6Ω/km								50	1.9	6.2
																		100	2.7	8.9
																		200	4.1	13.4
																		400	5.9	19.4
																		700	8.1	26.6
																		900	9.4	30.8
																		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	9290	NEC: CM	1000	304.8	59.0	26.8	18 AWG (solid) .037"	.180	4.57	(2) BC Braids 98% Shield Coverage	.288	7.32	75	81%	17.3	56.7	1	.2	.7	
		CEC: CM	2000	609.6	118.0	53.6	.037"			7.5Ω/M'								10	.7	2.3
							24.6Ω/km			2.0Ω/M'								50	1.7	5.6
										7.5Ω/km								100	2.5	8.2
																		200	3.6	11.8
																		400	5.3	17.4
																		700	7.2	23.6
																		900	8.3	27.2
																		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	89248	NEC: CMP	500†	152.4	15.0	6.8	18 AWG (solid) .040"	.170	4.32	Duofoil + 65% TC Braid	.222	5.64	75	82%	16.5	50.3	1	.3	1.0	
		CEC: CMP FT6	1000†	304.8	33.0	15.0	.040"			5.1Ω/M'								10	.66	2.2
			2000†	609.6	64.0	29.0	BC			6.4Ω/M'								50	1.5	4.9
							6.4Ω/M'			16.7Ω/km								100	2.1	6.9
							21.0Ω/km											200	3.1	10.2
																		400	4.5	14.8
																		700	6.0	19.7
																		900	6.9	22.6
																		1000	7.3	23.9

Suitable for Outdoor and Direct Burial applications.

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket																				
75°C	82248	NEC: CMP	U-1000†	U-304.8	29.0	13.2	18 AWG (solid) .040"	.170	4.32	Duofoil + 65% TC Braid	.222	5.64	75	82%	16.5	50.3	1	.3	1.0	
		CEC: CMP FT6	1000†	304.8	31.0	14.1	.040"			5.1Ω/M'								10	.7	2.3
							BC			6.4Ω/M'								50	1.6	5.2
							6.4Ω/M'			16.7Ω/km								100	2.2	7.2
							21.0Ω/km											200	3.0	9.8
																		400	4.6	15.1
																		700	6.6	21.6
																		900	7.7	25.3
																		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 Style 1354 (30V 80°C)	9248	NEC: CM	U-500	U-152.4	16.5	7.5	18 AWG (solid) .040"	.180	4.57	Duofoil + 60% TC Braid	.270	6.86	75	82%	16.2	53.1	1	.3	1.0	
		CEC: CM	U-1000	U-304.8	32.0	14.5	.040"			5.6Ω/M'								10	.7	2.3
			1000	304.8	33.0	15.0	BC			5.6Ω/M'								50	1.5	4.9
			1640	500.0	55.8	25.3	6.4Ω/M'			18.4Ω/km								100	2.0	6.6
			3280	1000.0	108.2	49.2	21.0Ω/km											200	2.8	9.2
																		400	4.0	13.1
																		700	5.3	17.4
																		900	6.1	20.0
																		1000	6.5	21.3
																		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	8238	NEC: CM	500	152.4	59.0	26.8	18 AWG (7x26)	.285	7.24	BC Braid	.405	10.29	75	67%	20.5	67.2	1	.2	.6
		CEC: CM	1000	304.8	117.0	53.1	.048"			97% Shield Coverage							10	.7	2.2
							TC			1.2Ω/M'							50	1.3	4.3
							6.1Ω/M'			3.9Ω/km							100	2.0	6.6
							20.0Ω/km										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	8261	CEC: CXC	500	152.4	52.5	23.9	18 AWG (7x26)	.285	7.24	BC Braid	.405	10.29	75	66%	20.5	67.2	1	.2	.6
VW-1			1000	304.8	104.0	47.3	.048"			97% Shield Coverage							10	.7	2.2
							TC			1.2Ω/M'							50	1.3	4.3
							6.1Ω/M'			3.9Ω/km							100	2.0	6.6
							20.0Ω/km										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	1306SB	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
300V RMS	new	CEC: CMG-LS FT4 Limited Smoke	1000	304.8	76.0	34.5	.040"			Pair: BC	.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	9292	—	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"			3.0Ω/M'							10	.5	1.6
							BC			9.8Ω/km							50	.9	3.0
							2.6Ω/M'										100	1.3	4.3
							8.5Ω/km										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	89292	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"			3.0Ω/M'							10	.4	1.3
		CEC: CMP FT6					BC			9.8Ω/km							50	1.0	3.3
							2.5Ω/M'										100	1.5	4.9
							8.2Ω/km										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	8213	—	500	152.4	44.0	20.0	14 AWG (solid)	.285	7.24	BC Braid	.405	10.29	75	84%	16.1	52.8	1	.2	.6
			1000	304.8	87.0	39.5	.064"			97% Shield Coverage							10	.4	1.1
			2000	609.6	172.0	78.2	BC			1.1Ω/M'							50	.9	3.0
							2.6Ω/M'			3.6Ω/km							100	1.3	4.3
							8.5Ω/km										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/ 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

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	1865A	NEC: CMR CEC: CMG FT4	1000	304.8	14.0	6.4	25 AWG (19x37) .021" BC 27.4Ω/M' 89.9Ω/km	.094	2.39	Duofoil + 95% TC Braid 5.4Ω/M' 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 Digital Video 75°C	1855A	NEC: CMR CEC: CMG FT4	500 [▲]	152.4	9.0	4.1	23 AWG (solid) .023" BC 20.1Ω/M' 65.9Ω/km	.102	2.59	Duofoil + 95% TC Braid 7.6Ω/M' 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)

Polyethylene Insulation • Black Polyethylene Jacket																			
80°C	8279	—	500	152.4	13.0	5.9	23 AWG (7x32)	.146	3.71	TC + 95% Shield	.220	5.59	75	66%	21.0	68.9	1	.4	1.1
			1000	304.8	29.0	13.2	.023" BCC			19.1Ω/M' / 62.6Ω/km							3.6	.6	2.0
										4.5Ω/M' / 14.8Ω/km							10.0	1.2	3.9
																	71.5	3.3	10.8
																	135	4.7	15.4
																	270	6.8	22.3
																	360	8.0	26.2
																	540	9.9	32.5
																	720	11.6	38.0
																	750	11.9	39.0
																	1000	13.8	45.3

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

Polyethylene Insulation • Black Polyethylene Jacket																			
80°C	9209	—	U-500	U-152.4	15.0	6.8	23 AWG (solid)	.146	3.71	Duofoil + 95% TC Braid	.220	5.59	75	66%	21.0	68.9	1	.4	1.2
			U-1000	U-304.8	29.0	13.2	.022" BC			4.5Ω/M' / 14.8Ω/km							3.6	.5	1.8
										20.4Ω/M' / 66.9Ω/km							10.0	1.2	3.8
																	71.5	2.9	9.5
																	135	4.0	13.0
																	270	5.6	18.4
																	360	6.6	21.5
																	540	8.3	27.2
																	720	9.7	31.7
																	750	9.9	32.5
																	1000	11.6	38.0

Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket																			
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	.220	5.59	75	66%	20.5	67.2	1	.4	1.2
							.022" BC			4.5Ω/M' / 14.8Ω/km							3.6	.5	1.8
										20.4Ω/M' / 66.9Ω/km							10.0	1.2	3.8
																	71.5	2.9	9.5
																	135	4.0	13.0
																	270	5.6	18.4
																	360	6.6	21.5
																	540	8.6	28.3
																	720	10.1	33.2
																	750	10.4	34.1
																	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/ 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 .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	1505A	NEC:	500 [▲]	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 [▼]	1524.0	165.0	74.8	.032"		BC	3.8Ω/M'							10	.9	2.9
		CMG FT4							10.0Ω/M'	12.5Ω/km	For Plenum version of 1505A, see 1506A.						71.5	2.1	6.9
								32.8Ω/km		Also available in bundled versions. See 7794A through 7798A.							135	2.7	8.9
										100% Sweep tested. 5 MHz to 3 GHz.							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	1505F	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								71.5	2.5	8.2
75°C		CM							12.2Ω/M'	2.4Ω/M'							135	3.5	11.5
								40.0Ω/km	7.8Ω/km	100% Sweep tested. 5 MHz to 3 GHz.							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	1506A	NEC:	500 ^{†*}	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		CMP	1000 ^{†*}	304.8	29.0	13.2			TC Braid								3.6	.6	2.0
75°C		CEC:					.032"		BC	3.8Ω/M'							71.5	2.3	7.4
		CMF FT6							10.0Ω/M'	10.5Ω/km							135	3.2	10.5
										100% Sweep tested. 5 MHz to 3 GHz.							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	9231	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	100% Sweep tested. 5 MHz to 850 MHz.							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)

Polyethylene Insulation • Clear Polyethylene Jacket																			
Indoor Use 80°C	9141	—	1000	304.8	73.0	33.2	20 AWG (solid) .031"	.200	5.06	TC Double Braid 98% Shield Coverage	.305	7.75	75	66%	20.0	65.6	1	.3	1.0
							9.9Ω/M'			1.1Ω/M'							3.6	.5	1.6
							32.5Ω/km			3.6Ω/km							10.0	.8	2.6
																	71.5	2.0	6.6
																	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)

Polyethylene Insulation • Polyethylene Jacket (Available in Red, Yellow, Green, Blue, White, Orange or Black)																			
80°C	8281	—	500 [▲]	152.4	37.5	17.8	20 AWG (solid) .031"	.198	5.03	TC Double Braid 98% Shield Coverage	.305	7.75	75	66%	21.0	68.9	1	.3	.8
			1000	304.8	74.0	33.6	9.9Ω/M'			1.1Ω/M'							3.6	.5	1.8
							32.5Ω/km			3.6Ω/km							10.0	.8	2.6
																	71.5	2.1	6.9
																	135	3.0	9.8
																	270	4.3	14.1
																	360	5.1	16.6
																	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.

Flame-retardant Semi-foam Polyethylene Insulation • PVC Jacket (Available in 9 colors)*																			
UL AWM Style 1354 (30V 80°C)	8281B	NEC: CMR CEC: CMG FT4	1000	304.8	84.0	38.1	20 AWG (solid) .031"	.198	5.03	TC Double Braid 98% Shield Coverage	.305	7.75	75	66%	21.0	68.9	1	.3	.8
							9.9Ω/M'			1.1Ω/M'							3.6	.5	1.8
							32.5Ω/km			3.6Ω/km							10.0	.8	2.6
																	71.5	2.1	6.9
																	135	3.0	9.8
																	270	4.4	14.4
																	360	5.1	16.6
																	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)

Polyethylene Insulation • PVC Jacket (Matte Red, Blue, Green, Gray or Black)																			
High-Flex 60°C	8281F	—	500 [▲]	152.4	34.5	15.7	22 AWG (7x29) .031"	.193	4.90	TC Double Braid 98% Shield Coverage	.305	7.75	75	66%	21.0	68.9	1	.3	.9
			1000	304.8	67.0	30.4	12.2Ω/M'			1.7Ω/M'							3.6	.5	1.7
							40.0Ω/km			5.6Ω/km							10.0	.9	2.9
																	71.5	2.5	8.0
																	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)

Plenum • FEP Insulation • Black Fluorocopolymer Jacket																			
150°C	88281	NEC: CMP CEC: CMP FT6	500	152.4	44.5	20.2	20 AWG (solid) .032"	.185	4.70	TC Double Braid 98% Shield Coverage	.271	6.88	75	71%	19.0	62.4	1	.2	.7
			1000	304.8	86.0	39.1	9.9Ω/M'			1.1Ω/M'							3.6	.5	1.6
							32.5Ω/km			3.6Ω/km							10.0	.8	2.6
																	71.5	2.3	7.5
																	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/ 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 Type • 18 AWG Solid .040" 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	1694A	NEC:	500 [▲]	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'							71.5	1.6	5.2
							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

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

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

SDI/HDTV	1694SB	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'							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

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

SDI/HDTV	1695A	NEC:	500 [†] *	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'							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)

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

SDI/HDTV	7731A	NEC:	500 [▼]	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'							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.

Plenum • Foam FEP Insulation • Fluorocopolymer Jacket (Available in 10 colors)**

SDI/HDTV	7732A	NEC:	500 [•]	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 ⁺	609.6	176.0	80.0	.064"			TC Braid							71.5	1.2	4.1
		CMG FT6					BC			1.6Ω/M'							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.



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

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

Miniature • 23 AWG Solid .023" Bare Copper Conductors • Duofoil® (100% Coverage) + TC Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • Overall Matte Black PVC Jacket (Color Code: See chart below)																				
SDI/HDTV Digital Video 75°C (1855A Bundled)	7787A	NEC: CMR CEC: CMG FT4	3	500 1000	152.4 304.8	47.5 94.0	21.6 42.7	23 AWG (solid) .023"	.102 .159	2.55 4.03	Duofoil + 95% TC Braid 7.6Ω/M' 24.9Ω/km	.432	10.97	75	83%	16.5	54.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2500 3000	.4 .8 1.2 3.1 3.8 5.4 6.2 7.7 9.1 9.5 10.5 13.0 16.9 18.5	1.3 2.6 3.9 10.0 12.5 17.7 20.3 25.3 29.8 31.2 34.4 42.6 55.4 60.7
	7788A	NEC: CMR CEC: CMG FT4	4	1000	304.8	110.0	49.9	same as above	.102 .159	2.55 4.03	same as above	.481	12.22					750 1000 1500 2500 3000	9.5 10.5 13.0 16.9 18.5	31.2 34.4 42.6 55.4 60.7
	7789A	NEC: CMR CEC: CMG FT4	5	500 1000	152.4 304.8	73.0 142.0	33.1 64.4	same as above	.102 .159	2.55 4.03	same as above	.539	13.69							
	7790A	NEC: CMR CEC: CMG FT4	6	500 1000	152.4 304.8	88.5 176.0	40.2 79.9	same as above	.102 .159	2.55 4.03	same as above	.597	15.16							
	7791A	NEC: CMR CEC: CMG FT4	10	500 1000	152.4 304.8	155.5 304.0	70.5 137.9	same as above	.102 .159	2.55 4.03	same as above	.796	20.22							
	7792A	NEC: CMR CEC: CMG FT4	12	500 1000	152.4 304.8	178.5 367.0	80.7 166.5	same as above	.102 .159	2.55 4.03	same as above	.825	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)

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

Brilliance VideoFLEX® Snake Cable for Precision Analog and Digital Video

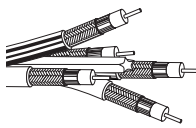
RG-6/U Type



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**

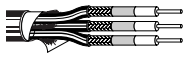
300V RMS 	1283S3 <small>new</small>	NEC:	3	250	76.2	26.3	11.9	20 AWG	.133	3.38	Duofoil (95%)	.422	10.72	75	83%	16.2	53.1	1	.3	1.0		
		CMP:		500	152.4	54.0	24.5	(solid)			+ TC Braid								3.6	.6	2.0	
		CEC:		1000	304.8	103.0	46.7	.032"				3.8Ω/M'								10	.9	2.9
		CMP:										10.0Ω/M'								71.5	2.1	6.9
								BC			12.5Ω/km								135	2.7	8.9	
								32.8Ω/km											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 Digital Video 75°C (1694A Bundled) 	7710A	NEC:	3	500	152.4	137.5	62.4	18 AWG	.180	4.57	Duofoil	.770	19.56	75	82%	16.2	53.1	1	.2	.8		
		CMR:		1000	304.8	285.0	129.3	(solid)			+ 95%									3.6	.5	1.5
		CEC:						.040"			Coax OD:									10	.7	2.4
		CMG FT4									.275	6.99	TC Braid							71.5	1.6	5.2
								BC			3.0Ω/M'								135	2.1	6.9	
								6.4Ω/M'			9.8Ω/km								270	3.0	9.7	
								21.0Ω/km											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 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.

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)	1520A	NEC: CL2	3	500 1000	152.4 304.8	23.0 50.0	10.4 22.7	30 AWG (7x38) .012"	.056 .102	1.42 2.59	Coaxes: Duofoil + 90% TC Braid Overall: Beldfoil	.283 .310	7.19 7.87	75	78%	17.3	56.7	1 5 10 30 50 100 200 400 700 900 1000	.8 1.5 2.2 4.0 5.4 8.2 12.5 18.9 26.5 30.8 32.8	2.6 4.9 7.2 13.1 17.7 26.9 41.0 62.0 86.9 101.0 107.6	
		1521A	NEC: CL2	4	500 1000	152.4 304.8	31.0 60.0	14.1 27.3	same as above	.056 .102	1.42 2.59	same as above	.310	7.87								
		1522A	NEC: CL2	5	500 1000	152.4 304.8	34.5 67.0	15.6 30.4	same as above	.056 .102	1.42 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	1406B	—	3	1000	304.8	79.0	35.8	26 AWG (7x34) .019"	.090 .146	2.29 3.71	Duofoil + 93% TC Braid	.388 .455	9.86 11.56	75	78%	17.3	56.7	1 5 10 30 50 100 200 400 700 900 1000	.6 1.3 1.8 3.1 3.9 5.4 7.5 10.4 13.5 15.2 15.9	2.0 4.3 5.9 10.2 12.8 17.7 24.6 34.1 44.3 49.9 52.2	
		1407B	—	4	1000	304.8	100.0	45.5	same as above	.090 .146	2.29 3.71	same as above	.455	11.56								
		1417B	—	5	1000	304.8	110.0	49.9	same as above	.090 .146	2.29 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

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

	UL AWM Styles 1354 and 2668 (30V 60°C)	1164B	NEC:	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			
			CM	1000	304.8	78.0	35.5			Coax OD:			+ 93%							5	1.3	4.3		
			CEC:								.019"	.146	3.71	TC Braid							10	1.8	5.9	
			CM								BC			8.6Ω/M'							30	3.1	10.2	
											41.5Ω/M'			28.2Ω/km								50	3.9	12.8
											136.1Ω/km											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			
		1167B	NEC:	4	1000	304.8	105.0	47.7	same	.090	2.29	same	.455	11.56										
			CM						as			as												
			CEC:						above	.146	3.71	above												
			CM																					
		1418B	NEC:	5	500	152.4	61.5	27.9	same	.090	2.29	same	.477	12.12										
			CM	1000	304.8	119.0	54.0		as			as												
			CEC:						above	.146	3.71	above												
			CM																					

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

	300V RMS 60°C	1277R <small>new</small>	NEC:	3	500†	152.4	25.5	11.6	25 AWG (solid)	.074	1.88	Duobond	.320	8.13	75	80%	17.0	55.8	1	.5	1.7				
			CMR	1000†	304.8	48.0	21.8			Coax OD:			+ 95%								5	1.2	3.8		
			CEC:								.018"	.114	2.90	TC Braid								50	3.7	12.1	
			CMG								TC			5.4Ω/M'								100	4.9	16.1	
											34.0Ω/M'			17.7Ω/km									200	6.7	22.0
											111.6Ω/km												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
		1278R <small>new</small>	NEC:	4	250	76.2	21.8	9.9	same	.074	1.88	same	.351	8.92											
			CMR	500†	152.4	31.5	14.3		as			as													
			CEC:	1000†	304.8	60.0	27.2		above	.114	2.90	above													
			CMG																						
		1279R <small>new</small>	NEC:	5	500†	152.4	40.5	18.4	same	.074	1.88	same	.403	10.24											
			CMR	1000†	304.8	80.0	36.3		as			as													
			CEC:						above	.114	2.90	above													
			CMG																						
		1280R <small>new</small>	NEC:	6	500†	152.4	44.0	20.0	same	.074	1.88	same	.423	10.74											
			CMR	1000†	304.8	87.0	39.5		as			as													
			CEC:						above	.114	2.90	above													
			CMG																						

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

	300V RMS 60°C	1277P <small>new</small>	NEC:	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					
			CMP	1000	304.8	41.0	19.5			Coax OD:			+ 95%									5	1.2	3.9		
			CEC:								.018"	.111	2.92	TC Braid									50	3.8	12.5	
			CMP								TC			5.4Ω/km									100	5.2	17.1	
											34.0Ω/M'			17.7Ω/km										200	7.1	23.3
											11.6Ω/km													400	10.0	32.8
																								750	14.3	46.9
																								1000	16.9	55.4
					1278P <small>new</small>	NEC:	4	500	152.4	27.0	12.7	same	.074	1.91	same	.304	7.72									
						CMP	1000	304.8	52.0	24.1		as			as											
			CEC:						above	.111	2.92	above														
			CMP																							
		1279P <small>new</small>	NEC:	5	250	76.2	19.0	8.6	same	.074	1.91	same	.335	8.51												
			CMP	500	152.4	34.0	15.9		as			as														
			CEC:	1000	304.8	68.0	31.3		above	.111	2.92	above														
			CMP																							
		1280P <small>new</small>	NEC:	6	500	152.4	39.0	17.7	same	.074	1.91	same	.369	9.37												
			CMP	1000	304.8	79.0	35.9		as			as														
			CEC:						above	.111	2.92	above														
			CMP																							

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.



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

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

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

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

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

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.

*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

High-Flex S-Video Cable

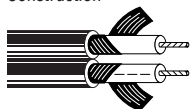


Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation	
				Ft.	m	Lbs.	kg		Inch	mm		Inch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

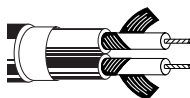
Parallel Zip Construction	1807A	—	2	U-500	U-152.4	8.0	3.6	30 AWG (7x38)	.058	1.47	TC Serve	.110	2.79	75	78%	17.3	56.7	1	.6	2.0
				500	152.4	7.5	3.4				90% Shield	x	x					5	1.4	4.6
				U-1000	U-304.8	15.0	6.8	.012"			Coverage	.230	5.84					10	2.1	6.9
				1000	304.8	14.0	6.4	TC			7.5Ω/M'							30	3.8	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	1808A	—	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

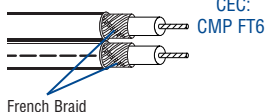


Available in Plenum versions by special order only.

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	7700A	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

Video Triax Cable

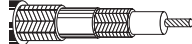
RG-59/U Type



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

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

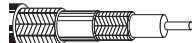
Foam Polyethylene Insulation • Belflex® Jacket (Red, Yellow, Green, Blue, Purple or Black. Polyethylene Insulation between Braids)

High-Flex 75°C	1857A	—	500	152.4	42.5	19.3	22 AWG (19x34) .031"	.143	3.63	(2) BC Braids 95% Coverage	.360	9.14	75	79%	17.0	55.8	1	.3	1.0																																																																																																																																																																																																																																													
			1000	304.8	86.0	39.1											14.0Ω/M' 45.9Ω/km	2.5Ω/M' 8.2Ω/km	1.6Ω/M' 5.3Ω/km	100% Sweep tested. 5 MHz to 850 MHz.	3.6	.5	1.6																																																																																																																																																																																																																																									
																																																																																																																																																																																																																																																																
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Suitable for Outdoor applications: Black for permanent installations, All colors for field deployable use.

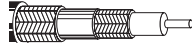
20 AWG Solid .032" Bare Copper Conductor • Bare Copper Double Braid Shield (95% Coverage)

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

200°C	88232	NEC: CMP CEC: CMP FT6	500	152.4	29.0	13.2	20 AWG (solid) .032"	.140	3.56	(2) BC Braids 95% Coverage	.245	6.22	75	80%	16.9	55.4	1	.4	1.3																																																																																																																																																																																																																									
			1000	304.8	61.0	27.7											10.0Ω/M' 32.8Ω/km	2.6Ω/M' 8.5Ω/km	2.6Ω/M' 8.5Ω/km	For Non-plenum version see 8232A. 100% Sweep tested. 5 MHz to 3 GHz.	3.6	.6	2.0																																																																																																																																																																																																																					
																																																																																																																																																																																																																																												
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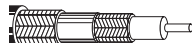
20 AWG Solid .032" Bare Copper Conductor • Bare Copper Double Braid Shield (80% Coverage)

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

80°C	8232	—	500	152.4	31.0	14.1	20 AWG (solid) .032"	.145	3.68	(2) BC Braids 80% Coverage	.315	8.00	75	83%	16.2	53.1	1	.3	1.0																																																																																																																																																																																																																									
			1000	304.8	60.0	27.3											10.0Ω/M' 32.8Ω/km	2.5Ω/M' 8.2Ω/km	2.8Ω/M' 9.2Ω/km	For Plenum version see 88232. 100% Sweep tested. 5 MHz to 3 GHz.	3.6	.6	2.0																																																																																																																																																																																																																					
																																																																																																																																																																																																																																												
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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	8232A	NEC: CMR CEC: CMG FT4	1000	304.8	68.0	30.8	20 AWG (solid) .032"	.145	3.68	(2) BC Braids 80% Coverage	.315	8.00	75	83%	16.2	53.1	1	.3	1.0																																																																																																																																																																																																																									
																																																																																																																																																																																																																																												
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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/ 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 .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	1856A	—	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	1856B	NEC: CMR 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	9267	—	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

Video Triax Cable

RG-11/U Type

75 Ohms



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

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

High-Flex 75°C	1858A	—	500	152.4	80.5	36.8	15 AWG (19x27) .064"	.312	7.92	(2) BC Braids 95% Coverage	.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
750	4.8	15.7																	
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)

125°C	1859A	NEC:	500	152.4	66.5	30.2	15 AWG (19x27) .064"	.285	7.24	(2) BC Braids 95% Coverage	.406	10.30	75	80%	16.5	54.1	1	.1	.3
		CMP	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
750	5.6	18.4																	
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)

UL AWM Style 1641 (30V 75°C) VW-1	9192	NEC:	1000	304.8	150.0	68.2	15 AWG (19x27) .064"	.312	7.92	(2) BC Braids 90% Coverage	.520	13.20	75	78%	17.3	56.8	1	.1	.5
		CL2X	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
750	4.8	15.7																	
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)

UL AWM Style 1641 (30V 75°C) VW-1	9232	—	500	152.4	76.5	19.3	15 AWG (19x27) .064"	.312	7.92	(2) BC Braids 90% Coverage	.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
750	4.8	15.7																	
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

Video Triax Cable

RG-11/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

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	8233	—	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	8233A	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	7803A	—	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.


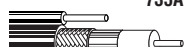









DS-3 and DS-4 Interconnect and Cross-connect Cable

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)

	735A1	NEC: CMR CEC: CMG FT4	1	500 1000	152.4 304.8	6.5 12.0	2.9 5.5	26 AWG (solid) .016" SPC 41.0Ω/M' 134.5Ω/km	.077	1.96	Beldfoil + 93% TC Braid 5.3Ω/M' 17.4Ω/km	.129	3.38	75	76%	17.7	58.0	2	1.0	.6	2.0
	For Plenum version see 735A1P.																				
	735A1T	NEC: CMR CEC: CMG FT4	1 w/T	500 1000	152.4 304.8	7.5 13.0	3.4 6.0	same as above	.077	1.96	same as above	.129	3.28	x	x	.203	5.16				
	PVC insulated tracer.																				
	73502T <small>new</small>	NEC: CMR CEC: CMG	2 w/T	500 1000	152.4 304.8	20.0 44.0	9.1 20.0	26 AWG (solid) .017" SPC 41.0Ω/M' 134.5Ω/km	.077	1.96	same as above	.179	4.55	x	x	.308	7.82				
	22 AWG stranded (7x30) tinned copper PVC insulated tracer.																				
	735A2	NEC: CMR CEC: CMG FT4	2	500† 1000†	152.4 304.8	14.0 26.0	6.4 11.8	26 AWG (solid) .016" SPC 41.0Ω/M' 134.5Ω/km	.077	1.96	same as above	.129	3.28	x	x	.258	6.55				
	Siamese versions bonded in parallel, feature zip cord design with printing on one leg. Suitable for Outdoor applications.																				
	735A3	NEC: CMR CEC: CMG FT4	3	500† 1000†	152.4 304.8	27.0 52.0	12.0 23.6	same as above	.077	1.96	same as above	.309	7.85								
	Coax OD: .129 3.28																				
	735A6	NEC: CMR CEC: CMG FT4	6	500 1000	152.4 304.8	47.0 95.0	21.3 43.1	same as above	.077	1.96	same as above	.399	10.14								
	Coax OD: .129 3.28																				
	735A8	NEC: CMR CEC: CMG FT4	8	500† 1000	152.4 304.8	64.5 125.0	29.3 56.7	same as above	.077	1.96	same as above	.447	11.35								
	Coax OD: .129 3.28																				
	735A9	NEC: CMR CEC: CMG FT4	9	500† 1000†	152.4 304.8	77.0 133.0	34.9 60.5	same as above	.077	1.96	same as above	.484	12.29								
	Coax OD: .129 3.28																				
	735A12	NEC: CMR CEC: CMG FT4	12	500 1000	152.4 304.8	94.5 187.0	43.0 85.0	same as above	.077	1.96	same as above	.581	14.76								
	Coax OD: .129 3.28																				
	735A16	NEC: CMR CEC: CMG FT4	16	500 1000	152.4 304.8	126.5 257.0	57.4 116.6	same as above	.077	1.96	same as above	.636	16.15								
	Coax OD: .129 3.28																				
	735A24	NEC: CMR CEC: CMG FT4	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																				

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 Flamarrist® Jacket

	735A1P	NEC: CMP CEC: CMP FT6	1	500 1000	152.4 304.8	7.5 14.0	3.4 6.4	same as above	.077	1.96	same as above	.129	3.28	75	76%	17.7	58.1				(same as above)
	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)

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

Plenum • Foam FEP Insulation • Gray Flamarrest® Jacket

	734A1P	NEC: CMP CEC: CMP FT6	1	500 1000	152.4 304.8	16.5 36.0	7.5 16.3	same as above	.148 3.76	same as above	.215 5.46	75	80%	17.3	56.8	(same as above)	100% Sweep tested. RL: 30dB min. at 15 MHz to 95 MHz.
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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. of Prop. (Ω)	Nominal Capacitance pF/Ft. pF/m	Nominal Attenuation		
				Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			Stand. Signal (Mb/s)	MHz	dB/ 100 Ft.

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)

	734D1	NEC: CMR CEC: CMG FT4	1	500 1000	152.4 304.8	16.0 36.0	7.3 16.3	20 AWG (solid) .032" SPC 10.0Ω/M' 32.8Ω/km	.148	3.76	Beldfoil + 85% TC Braid 2.4Ω/M' 7.9Ω/km	.235	5.97	75	80%	16.8	55.1	2	1.0	.3	1.0		
	734D1T	NEC: CMR CEC: CMG FT4	1 w/T	500 1000	152.4 304.8	17.5 39.0	7.9 17.7	same as above	.148	3.76	same as above	.235	5.97							CEPT-1	1.0	.3	1.0
	734D2	NEC: CMR CEC: CMG FT4	2	500 1000	152.4 304.8	35.5 66.0	16.1 29.9	same as above	.148	3.76	same as above	.235	5.97							CEPT-2	4.2	.5	1.6
	734D2T	NEC: CMR CEC: CMG FT4	2 w/T	500 † 1000 †	152.4 † 304.8 †	37.5 † 73.0 †	17.0 † 33.1 †	same as above	.148	3.76	same as above	.235	5.97							10	5.0	.6	2.0
																				20	10.0	.8	2.6
																				CEPT-3	17.2	1.0	3.3
																				DS-3	22.4	1.1	3.6
																				STS-1	25.9	1.2	3.9
																				89.472	44.7	1.6	5.3
																				100	50.0	1.7	5.6
																				CEPT-4	69.6	2.0	6.6
																				STS-3	77.8	2.1	6.9
																				200	100.0	2.5	8.2
																				DS-4	137.1	2.9	9.5
																				400	200.0	3.6	11.8

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

	734D2T	NEC: CMR CEC: CMG FT4	2 w/T	500 † 1000 †	152.4 † 304.8 †	37.5 † 73.0 †	17.0 † 33.1 †	same as above	.148	3.76	same as above	.235	5.97										
	734D6	NEC: CMR CEC: CMG FT4	6	500 † 1000 †	152.4 † 304.8 †	141.0 † 290.0 †	64.1 † 131.8 †	same as above	.148 Coax OD: .235	3.76 5.97	same as above	.772	19.61										

Siamese versions bonded in parallel, feature zip cord design with printing on one leg and PVC insulated tracer.

	734D6	NEC: CMR CEC: CMG FT4	6	500 † 1000 †	152.4 † 304.8 †	141.0 † 290.0 †	64.1 † 131.8 †	same as above	.148 Coax OD: .235	3.76 5.97	same as above	.772	19.61										
	734D12	NEC: CMR CEC: CMG FT4	12	500 1000	152.4 304.8	284.5 555.0	129.3 252.3	same as above	.148 Coax OD: .235	3.76 5.97	same as above	1.026	26.06										

Plenum • Foam FEP Insulation • Gray Flamarrest® Jacket

	734D1P	NEC: CMP CEC: CMP FT6	1	500 1000	152.4 304.8	17.0 37.0	7.7 16.8	same as above	.148	3.76	same as above	.215	5.46	75	80%	17.3	56.7			(same as above)			
																					100% Sweep tested. 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.

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

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

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.	dB/ 100m	
20 AWG Solid .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)																						
Polyethylene Insulation • Gray PVC Jacket																						
Double Braid 60°C VW-1	9231 (728A*)	NEC: CMH CEC: CMH FT1	1	500	152.4	39.0	17.7	20 AWG (solid) .031" BC 9.9Ω/M' 32.5Ω/km	.198	5.03	TC Double Braid 98% Shield Coverage 1.1Ω/M' 3.6Ω/km	.305	7.75	75	66%	21.0	68.9	2	1.0	.3	1.0	
																			CEPT-1	1.0	.3	1.0
																			CEPT-2	4.2	.5	1.6
																			10	5.0	.6	2.0
																			20	10.0	.8	2.6
																			CEPT-3	17.2	1.0	3.3
																			DS-3	22.4	1.1	3.6
																			STS-1	25.9	1.2	3.9
																			89.472	44.7	1.4	4.6
																			100	50.0	1.5	4.9
																			CEPT-4	69.6	2.0	6.6
																			STS-3	77.8	2.2	7.2
																			200	100.0	2.7	8.9
																			DS-4	137.1	3.1	10.2
																			400	200.0	3.7	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 (44.736 Mb/s)		STS-1 (51.86 Mb/s)		DS-4Na (CEPT-4) (139.264 Mb/s)		STS-3 (155.520 Mb/s)		DS-4 (274.176 Mb/s)	
	Belden Part No.	Interconnect	X-Connect	Interconnect	X-Connect	Interconnect	X-Connect	Interconnect	X-Connect	Interconnect
735A Series and 7351AP	225 ft. (68.6m)	21 ft. (6.4m)	210 ft. (64.0m)	20 ft. (6.1m)	125 ft. (38.1m)	13 ft. (4.0m)	120 ft. (36.6m)	11 ft. (3.4m)	90 ft. (27.4m)	8 ft. (2.4m)
734A and 734D Series	450 ft. (137.2m)	43 ft. (13.1m)	420 ft. (128.0m)	40 ft. (12.2m)	250 ft. (76.2m)	24 ft. (7.3m)	240 ft. (73.2m)	24 ft. (6.7m)	180 ft. (54.9m)	17 ft. (5.2m)
734A1P and 734D1P	435 ft. (132m)	43 ft. (13m)	410 ft. (125m)	40 ft. (12m)	240 ft. (73m)	24 ft. (7m)	225 ft. (68m)	22 ft. (8m)	170 ft. (52m)	17 ft. (5m)
728A	425 ft. (129.5m)	—	380 ft. (115.8m)	—	220 ft. (67.1m)	—	210 ft. (64.0m)	—	155 ft. (47.2m)	—
720A Series	225 ft. (68.6m)	25 ft. (7.6m)	230 ft. (70.1m)	23 ft. (7.0m)	140 ft. (42.7m)	14 ft. (4.3m)	130 ft. (39.6m)	13 ft. (4.0m)	100 ft. (30.5m)	9 ft. (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/ 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-174 Type • 25 AWG Solid .018" Bare Copper Conductor • Beldfoil® (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)																			
Solid Polyethylene Insulation • Black PVC Jacket																			
RF100A 80°C 	7805	—	100†	30.5	1.8	.8	25 AWG	.061	1.55	Beldfoil + 90% TC Braid 9.1Ω/M' 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)

Foam HDPE Insulation • Gray PVC Jacket																			
RF100LL 80°C 	7805R	NEC:	100†	30.5	1.8	.8	24.5 AWG	.060	1.52	Beldfoil + 93% TC Braid 9.3Ω/M' 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/ 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-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 80°C	7806A	—	500	152.4	14.5	6.6	19 AWG (solid) .037" BC 7.6Ω/M' 24.9Ω/km	.110	2.79	Duofoil + 90% TC Braid 4.2Ω/M' 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 80°C	7806R	NEC: 500	152.4	16.5	7.5	19 AWG (solid) .037" BC 7.6Ω/M' 24.9Ω/km	.110	2.79	Duofoil + 90% TC Braid 4.2Ω/M' 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



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 80°C	7807A	—	500	152.4	15.0	6.8	17 AWG (solid) .044" BC 3.3Ω/M' 10.9Ω/km	.116	2.95	Duofoil + 95% TC Braid 4.2Ω/M' 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 80°C	7807R	NEC: 500	152.4	13.5	6.1	17 AWG (solid) .044" BC 3.3Ω/M' 10.9Ω/km	.116	2.95	Duofoil + 95% TC Braid 4.2Ω/M' 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



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, for complete listing.


Low Loss 50 Ohm Wireless RF Transmission Cable

RG-8X 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-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

RF240 80°C	7808A	—	500	152.4	18.0	8.2	15 AWG (solid) .057" BC 3.2Ω/M' 10.5Ω/km	.150	3.81	Duobond II* + 95% TC Braid 2.8Ω/M' 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
																			
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

RF240 80°C	7808R	NEC:	500	152.4	20.0	9.1	15 AWG (solid) .057" BC 3.2Ω/M' 10.5Ω/km	.150	3.81	Duobond II* + 95% TC Braid 2.8Ω/M' 9.2Ω/km	.240	6.10	50	86%	23.0	75.5	30	1.3	4.1
		CMR:	1000	304.8	44.0	20.0											50	1.6	5.3
																			
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

RF240 80°C	7808WB	—	500	152.4	18.0	8.2	15 AWG (solid) .057" BC 3.2Ω/M' 10.5Ω/km	.150	3.81	Duobond II* + 95% TC Braid 2.8Ω/M' 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
																			
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, for complete listing.


Low Loss 50 Ohm Wireless RF Transmission Cable

Intermediate 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

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 80°C	7809A	—	500	152.4	30.5	13.9	13 AWG (solid) .072" BC 2.1Ω/M' 6.9Ω/km	.190	4.83	Duobond II* + 95% TC Braid BC 2.4Ω/M' 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.

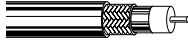
Gas-injected Foam HDPE Insulation • Black PVC Jacket

RF300 80°C	7809R	NEC:	500	152.4	34.0	15.5	13 AWG (solid) .072" BC 2.1Ω/M' 6.9Ω/km	.190	4.83	Duobond II* + 95% TC Braid BC 2.4Ω/M' 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
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																	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 80°C	7809WB	—	500	152.4	30.5	13.9	13 AWG (solid) .072" BC 2.1Ω/M' 6.9Ω/km	.190	4.83	Duobond II* + 95% TC Braid BC 2.4Ω/M' 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, for complete listing.


Low Loss 50 Ohm Wireless RF Transmission Cable

RG-8 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 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 80°C	7810A	—	500	152.4	42.5	19.3	10 AWG (solid) .108" BCCA 1.34Ω/M' 4.4Ω/km	.285	7.24	Duobond II* + 95% TC Braid 2.0Ω/M' 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 80°C	7810R*	NEC:	500	152.4	47.0	21.3	10 AWG (solid) .108" BCCA 1.34Ω/M' 4.4Ω/km	.285	7.24	Duobond II* + 95% TC Braid 2.0Ω/M' 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 80°C	7810WB	—	500	152.4	39.5	17.9	10 AWG (solid) .108" BCCA 1.34Ω/M' 4.4Ω/km	.285	7.24	Duobond II* + 95% TC Braid 2.0Ω/M' 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, for complete listing.

Low Loss 50 Ohm Wireless RF Transmission Cable

Series RF500

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

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	7976A <small>new</small>	—	500	152.4	56.0	25.4	7 AWG (solid) .142"	.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	BCCA .8Ω/M' 2.7Ω/km			5.3Ω/km							50	.7	2.4
																	150	1.2	3.9
																	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	7976R <small>new</small>	NEC: CMR	500	152.4	67.5	30.6	7 AWG (solid) .142"	.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	BCCA .8Ω/M' 2.7Ω/km			5.3Ω/km							50	.7	2.4
																	150	1.2	3.9
																	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	7976WB <small>new</small>	—	500	152.4	56.5	25.7	7 AWG (solid) .142"	.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	BCCA .8Ω/M' 2.7Ω/km			5.3Ω/km							50	.7	2.4
																	150	1.2	3.9
																	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/ 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

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	7977A <small>new</small>	—	500	152.4	73.5	33.4	5.5 AWG (solid) .176" BCCA .5Ω/M' 1.7Ω/km	.455	11.56	Duobond II* + 85% TC Braid 1.8Ω/M' 5.9Ω/km	.590	14.99	50	85%	24.6	80.7	30	.5	1.5
			1000	304.8	145.0	65.8											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	7977R <small>new</small>	NEC: CMR CEC: CMG FT4	500	152.4	89.5	40.6	5.5 AWG (solid) .176" BCCA .5Ω/M' 1.7Ω/km	.455	11.56	Duobond II* + 85% TC Braid 1.8Ω/M' 5.9Ω/km	.590	14.99	50	84%	24.6	80.7	30	.5	1.5
			1000	304.8	173.0	78.5											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	7977WB <small>new</small>	—	500	152.4	74.0	33.6	5.5 AWG (solid) .176" BCCA .5Ω/M' 1.7Ω/km	.455	11.56	Duobond II* + 85% TC Braid 1.8Ω/M' 5.9Ω/km	.590	14.99	50	85%	24.6	80.7	30	.5	1.5
			1000	304.8	146.0	66.3											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.

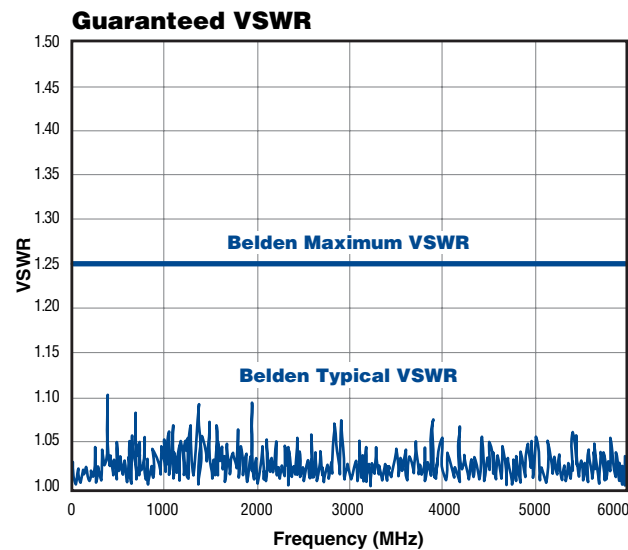
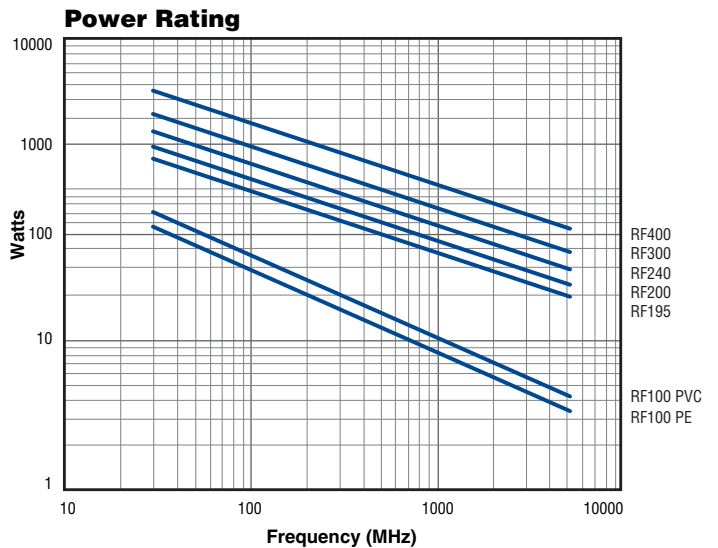
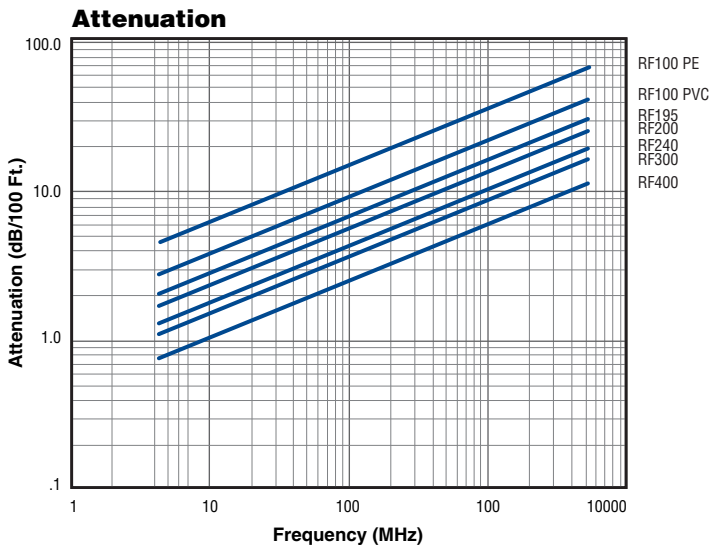
Suitable for Outdoor and Direct Burial applications and Aerial applications when supported by a Messenger wire.

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) ¹	±9	±0.6
Bending & Flexing (25 cycles) ²	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/ 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-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)	8216	—	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	83269	—	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	9201	—	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)	9310**	—	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, 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.

50 Ohm Transmission and Computer Cable

RG-58A/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-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 [▲]	152.4	13.0	6.0	(19x32)			96% Shield							10	1.3	4.3
(30V 80°C)		CEC:	U-1000 [▲]	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'			13.4Ω/km							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'			55.8Ω/km							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 [†]	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 [†]	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 [†]	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 [†]	U-304.8	26.0	11.8	(solid)			95% Shield							10	1.2	3.9
		CEC:	1000 [†]	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, 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/ 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-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	9258	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		CMH:	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	8237	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	9251	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	8214	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

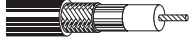
RG-8/U Type • 10 AWG Solid .108" Bare Copper Conductor • Duobond® II + Tinned Copper Braid Shield (90% Coverage)

Semi-solid Polyethylene Insulation • Black PVC Jacket																							
Low Loss 80°C	9913	—	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.


Plenum • Semi-solid FEP Insulation • Black Fluorocopolymer Jacket																								
150°C	89913	NEC: CMP CEC: 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)

Gas-injected Foam HDPE Insulation • Matte Black Belflex® Jacket																								
Low Loss 80°C	9913F7	—	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)

Gas-injected Foam HDPE Insulation • Black PVC Jacket																								
Low Loss UL AWM Style 1354 (30V 80°C)	9914	NEC: CMG CEC: 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)

Plenum • Foam FEP Insulation • Black Fluorocopolymer Jacket																								
Low Loss 125°C	7733A	NEC: CMP CEC: 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

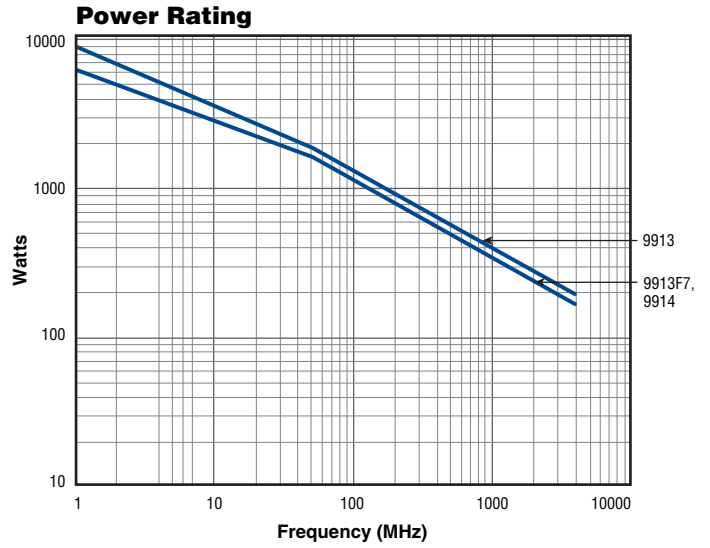
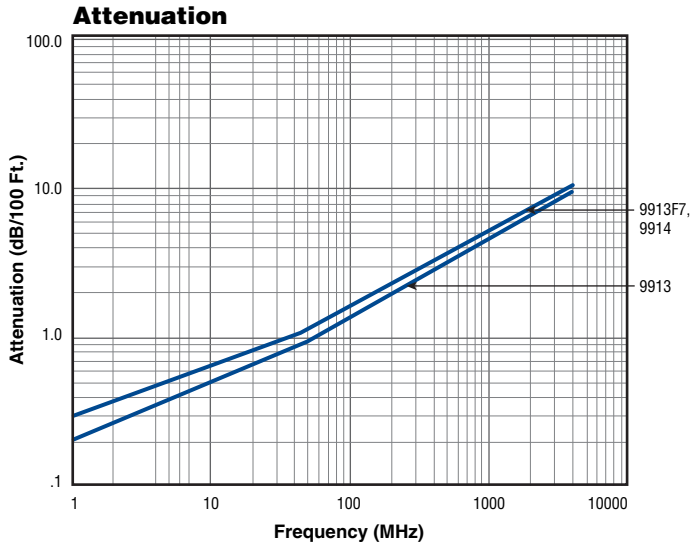
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

*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 (30V 105°C)			100	30.5	.4	.2	(solid)			Composite							1000	36.7	120.3
			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 (30V 105°C)			500††	152.4	2.0	.9	(solid)			Composite							1000	36.7	120.3
			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 (30V 105°C)			100	30.5	2.5	1.1	(solid)			Composite							1000	22.2	72.8
			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 (30V 105°C)			500†	152.4	9.5	4.7	(solid)			Composite							1000	22.2	72.8
			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 (30V 105°C)			1000††	304.8	13.0	6.0	(solid)			Composite							1000	22.2	72.8
							.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/ 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-402/U Type • 19 AWG Solid .036" Silver-plated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage)

TFE Teflon® Insulation • Unjacketed																			
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 (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 (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)

TFE Teflon Insulation • Unjacketed																			
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 (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)

TFE Teflon Insulation • Unjacketed																			
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 (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/ 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

29 AWG Solid .011" Silver-coated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage)

TFE Teflon® Insulation • Unjacketed

UL AWM	1672A*	—	500†	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 (30V 105°C)			1000†	304.8	14.0	6.4	(solid) .011"			Composite 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	1672J*	—	100††	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 (30V 105°C)			500††	152.4	9.5	4.3	(solid) .011"			Composite 100% Shield							10	1.8	5.9
			1000†	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	1672B*	—	100††	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 (30V 105°C)			500††	152.4	7.5	3.4	(solid) .011"			Composite 100% Shield							10	1.8	5.9
			1000††	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

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 1 piece, minimum length of any one piece is 25 ft.

Teflon is a DuPont trademark.

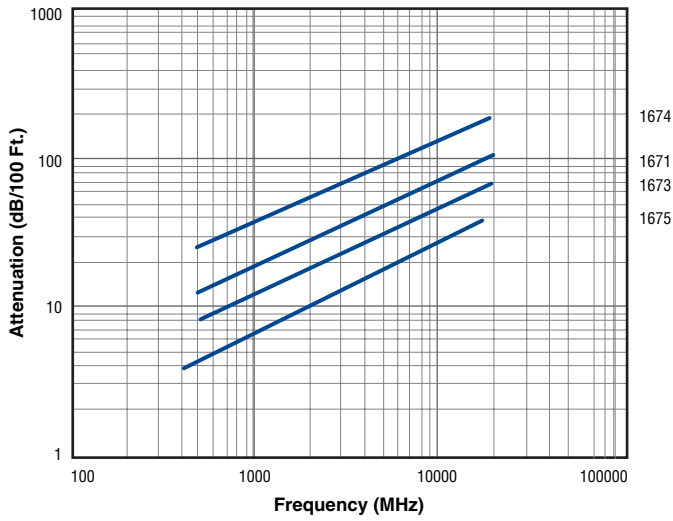


For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

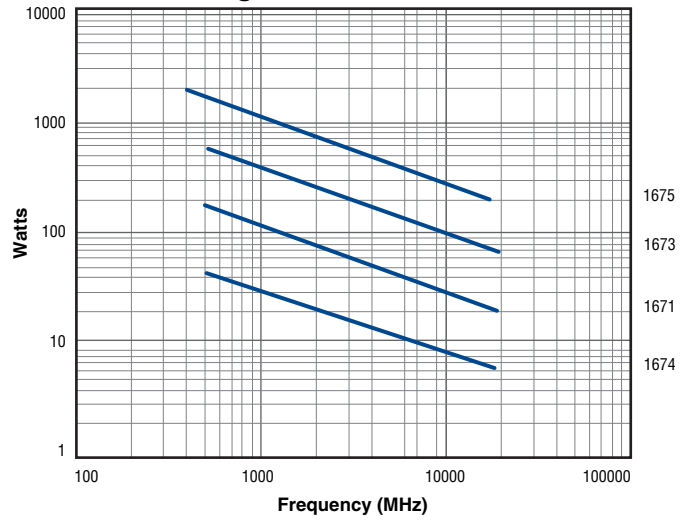
Conformable® Coax Cable

Electrical Characteristics

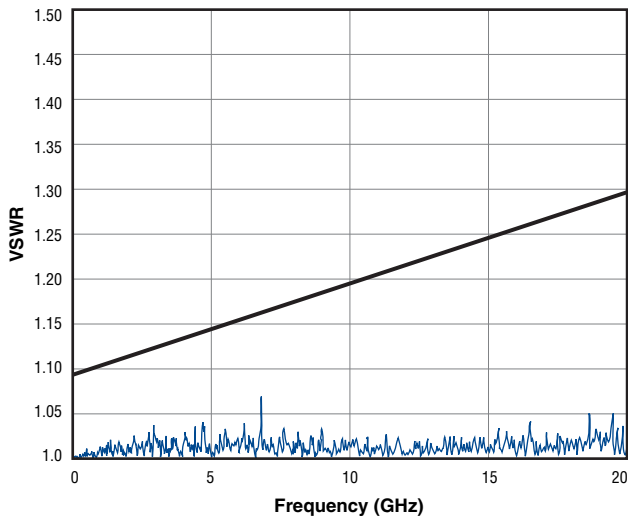
Attenuation



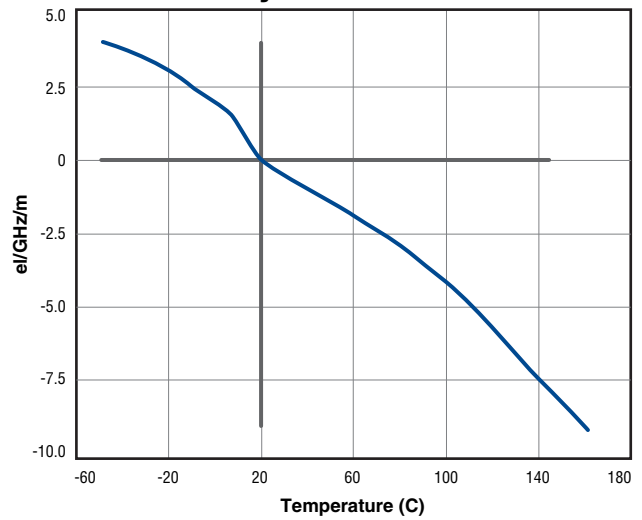
Power Rating



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		
30 AWG Stranded (7x38) .012" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (96% Coverage)																					
TFE Teflon® Insulation • White FEP Jacket																					
200°C	83265	—	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	34.5
								SPCCS			14.6Ω/M'								100	14.0	45.9
									244.0Ω/M'									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.

26 AWG Stranded (7x34) .020" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (95% Coverage)																					
TFE Teflon Insulation • White FEP Jacket																					
200°C	83284	—	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	18.4
								SPCCS			6.5Ω/M'								100	8.3	27.2
									84.1Ω/M'									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.

26 AWG Stranded (7x34) .020" Silver-plated Copper-covered Steel Conductor • Silver-plated Copper Braid Shield (95% Coverage)																					
TFE Teflon Insulation • Brown FEP Jacket																					
200°C	84316	—	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	18.4
								SPCCS			6.5Ω/M'								100	8.3	27.2
									84.1Ω/M'									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

22 AWG Stranded (27x36) .030" Tinned Copper Conductor • Tinned Copper Braid Shield (95% Coverage)																				
Polyethylene Insulation • Black Non-contaminating PVC Jacket																				
UL AWM	9252	NEC:	1000	304.8	18.0	8.2	22 AWG	.096	2.44	TC Braid	.160	4.06	50	66%	30.8	101.0	1	.4	1.3	
Style 1354		CMX					(27x36)			Shield								10	1.7	5.6
(30V 80°C)		CEC:					.030"			95% Shield								50	4.5	14.8
VW-1		CMX					TC			Coverage								100	7.0	23.0
									17.1Ω/M'									200	11.0	36.1
									56.1Ω/km									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.





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/ 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

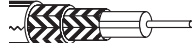

20 AWG Stranded (19x33) .035" Tinned Copper Conductor • Tinned Copper Braid Shield (95% Coverage)

Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
85°C	9203	—	500	152.4	12.5	5.7	20 AWG (19x33) .035" TC 10.8Ω/M' 35.4Ω/km	.116	2.95	TC Braid 95% Shield Coverage 4.1Ω/M' 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
																			
M17/28-RG58																			
85°C	8262	—	U-500	U-152.4	13.5	6.1	20 AWG (19x33) .035" TC 10.8Ω/M' 35.4Ω/km	.115	2.92	TC Braid 95% Shield Coverage 4.1Ω/M' 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
																			
M17/155-00001 (RG-58C/U). Non-SWR swept version of RG-58.																			

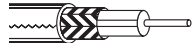
19 AWG Solid .034" Silver-coated Copper Conductor • Double Silver-coated Copper Braid Shield (95% Coverage)

Polyethylene Insulation • Black Non-contaminating PVC Jacket																			
UL AWM Style 1354 (30V 60°C)	9273	NEC:	100	30.5	4.7	2.1	19 AWG (solid) .034" SCC 8.8Ω/M' 28.9Ω/km	.117	2.97	(2) SCC Braids 95% Shield Coverage 2.5Ω/M' 8.2Ω/km	.212	5.39	50	66%	30.8	101.0	1	.4	1.3
		CMX	U-500	U-152.4	20.0	9.1											10	1.2	3.9
																			
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 VW-1	84142	NEC:	100	30.5	5.0	2.3	18 AWG (solid) .037" SCCCS 19.3Ω/M' 63.3Ω/km	.116	2.95	(2) SCC Braids 96% Shield Coverage 2.3Ω/M' 7.5Ω/km	.195	4.95	50	70%	29.0	95.1	10	1.1	3.6
		CMP	500†	152.4	22.5	10.2											50	2.6	8.5
																			
M17/60-RG142																			
200°C VW-1	83242	NEC:	100†	30.5	5.3	2.4	18 AWG (solid) .037" SCCCS 19.3Ω/M' 63.3Ω/km	.116	2.95	(2) SCC Braids 96% Shield Coverage 2.3Ω/M' 7.5Ω/km	.195	4.95	50	70%	29.0	95.1	10	1.1	3.6
		CMP	500†	152.4	22.5	10.2											50	2.6	8.5
																			
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 VW-1	84303	NEC:	500†	152.4	16.5	7.5	18 AWG (solid) .037" SCCCS 16.3Ω/M' 53.5Ω/km	.116	2.95	SCC Braid Shield 95% Shield Coverage 4.3Ω/M' 14.1Ω/km	.170	4.31	50	70%	29.0	95.1	10	1.1	3.6
		CL2P	1000†	304.8	32.0	14.5											50	2.6	8.5
																			
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/ 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

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	9861	—	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'										100	2.7	8.9
							10.8Ω/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)	8267	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										50	1.3	4.3
							1.7Ω/M'										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)	8268	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										50	1.3	4.3
							1.7Ω/M'										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/ 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	
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'			27.4Ω/km							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'			8.5Ω/km								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'			3.9Ω/km								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'			.8Ω/M'								200	2.9	9.5	
						20.0Ω/km			2.6Ω/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

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)	9862	NEC: CMX CEC: CMX	1000	304.8	37.0	16.8	22 AWG (solid) .025" BCCS 41.2Ω/M' 135.2Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M' 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	9169	—	1000	304.8	46.0	20.9	22 AWG (solid) .025" BCCS 41.2Ω/M' 135.2Ω/km	.146	3.71	(2) Braids Inner: BC Outer: TC 95% Shield Coverage 1.5Ω/M' 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 VW-1	83266	—	1000†	304.8	20.0	9.1	30 AWG (7x38) .012" SPCCS 244.0Ω/M' 801.0Ω/km	.102	2.60	SPC Braid 91% Shield Coverage 6.5Ω/M' 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	9857	NEC: CMH CEC: CMH FT1	1000	304.8	94.0	42.6	22 AWG (solid) .025" BCCS 41.2Ω/M' 135.2Ω/km	.285	7.24	BC Braid 97% Shield Coverage 1.2Ω/M' 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.



MIL-C-17G QPL Cable

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
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	81553	—	500†	152.4	9.0	4.1	24 AWG (19x36) .024"	.084	2.13	SCHSCA 93% Shield Coverage 7.3Ω/M'	.129	3.28	77	70%	24.0	78.7	1	1.2	3.9
			1000†	304.8	16.0	7.3	24.0Ω/M' 78.7Ω/km			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	9859	—	1000	304.8	33.0	15.0	20 AWG (7x28) .038"	.158	4.01	TC Braid 85% Shield Coverage 5.3Ω/M'	.235	5.97	78	66%	19.7	64.6	1	.7	2.3
							9.5Ω/M' 31.2Ω/km			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**.

†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/ 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

Miniature • 28 AWG Solid .013" Tinned Copper Conductor • Bare Copper Braid Shield (90% Coverage)

Polypropylene Insulation • Black PVC Jacket

105°C	8700	NEC: CMH CEC: CMH FT1	250	76.2	.8	.3	28 AWG (solid)	.023	.58	BC Braid	.054	1.37	32	66%	55.2	181.1	1	2.5	8.2
VW-1			500	152.4	4.5	2.0	(7x34)	.013"		90% Shield Coverage								10	7.7
			1000	304.8	8.0	3.6	.019"			TC							50	17.2	56.4
							66.9Ω/M'			94.2Ω/km							100	24.5	80.4
							219.5Ω/km										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	9239	—	100	30.5	1.0	.5	26 AWG (7x34)	.044	1.12	TC Braid	.101	2.57	50	62%	38	125	—	—	—
			500	152.4	4.5	2.0	.019"			90% Shield Coverage									
			1000	304.8	8.0	3.6	BCCS			14.0Ω/M'									
							97.0Ω/M'			45.9Ω/km									
							318.3Ω/km												

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	9224	—	U-500	U-152.4	19.5	8.9	22 AWG (solid)	.146	3.71	BC Braid	.242	6.15	75	65%	22	72	—	—	—
VW-1			1000	304.8	39.0	17.7	(7x30)	.025"		93% Shield Coverage									
							BCCS			2.5Ω/M'									
							54.0Ω/M'			8.2Ω/km									
							177.0Ω/km												

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	9223	—	100	30.5	3.4	1.5	22 AWG (7x30)	.112	2.85	Duobond II* + 95% TC Braid	.195	4.95	50	56%	37	122	—	—	—
VW-1			500	152.4	12.0	5.4	.030"			100% Shield Coverage									
			1000	304.8	24.0	10.9	TC			4.1Ω/M'									
							10.8Ω/M'			13.5Ω/km									
							35.4Ω/km												

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).

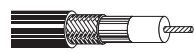
Computer and Instrumentation Cable

50 Ohm Ethernet® Coax

Description	Part No.	UL NEC/ 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

Thinnet 10Base2 Ethernet • 20 AWG Stranded (19x32) .037" Conductor • Duobond® II + Overall TC Braid Shield (93% Coverage)

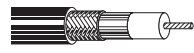
Non-plenum • Foam Polyethylene Insulation • Gray PVC Jacket

	UL AWM	9907	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
	Style 1354		CL2	U-1000	U-304.8	24.0	10.9	(19x32)			+ 93%							10	1.3	4.3
	(30V 60°C)		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
				3280	1000.0	82.0	37.3	28.9Ω/km										400	8.9	29.2

RG-58A/U Type
DEC Part No. 17-01248-00

For Plenum versions see 89907 or 82907.

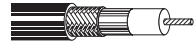
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket

	150°C	89907	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
								28.9Ω/km										400	9.2	30.2

RG-58A/U Type
DEC Part No. 17-01246-00. Suitable for Outdoor applications.

For Non-plenum version see 9907.

Plenum • FPFA Insulation • Natural Flamarrest® Jacket

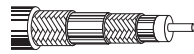
	75°C	82907	NEC:	500†	152.4	11.0	5.0	20 AWG	.095	2.41	Duobond II*	.160	4.06	50	80%	25.4	83.3	1	.4	1.4
			CMP	U-1000††	U-304.8	23.0	10.5	(19x32)			+ 93%							10	1.3	4.3
			CL2P	1000†	304.8	22.0	10.0	.037"			TC Braid							50	2.9	9.5
			CEC:	2500†	762.0	57.5	26.1	TC			5.8Ω/M'							100	4.2	13.7
			CMP FT6					8.8Ω/M'			19.0Ω/km							200	6.1	20.0
								28.9Ω/km										400	9.2	30.2

RG-58A/U Type

For Non-plenum version see 9907.

Thicknet 10Base5 Ethernet • 12 AWG Solid .086" Bare Copper Conductor • Duobond IV Quad Shield (100% Coverage)

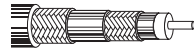
Non-plenum • Foam Polyethylene Insulation • Yellow PVC Jacket

	UL AWM	9880	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
	Style 1478		CL2	1000	304.8	131.0	59.5	(solid)			(Duobond II							5	.4	1.2
	(30V 60°C)		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
								4.7Ω/km			1.5Ω/M'							200	2.6	8.4

DEC Part No. 17-00451-00
Ring-band stripes marked every 2.5 meters to aid users in tap placement.

For Plenum version see 89880.

Plenum • Foam FEP Insulation • Orange Fluorocopolymer Jacket

	150°C	89880	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
								4.7Ω/km			1.5Ω/M'							200	2.5	8.0

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											244.0Ω/M'	801.0Ω/km	95% Shield Coverage	10	5.3	17.4	50	8.5	27.9	100	10.0	32.8	200	12.5	41.0

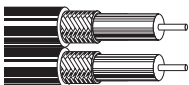


RG-187A/U Type • MIL-C-17D

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											50.0Ω/M'	164.0Ω/km	95% Shield Coverage	10	1.1	3.6	50	2.4	7.9	100	3.4	11.2	200	4.9	16.1	400

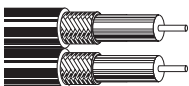


For Plenum version of see 89555.

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											50.0Ω/M'	164.0Ω/km	97% Shield Coverage	10	1.1	3.6	50	2.5	8.2	100	3.5	11.5	200	5.1	16.7	400



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, CMR	2500††	762.2	97.5	44.3											28.0Ω/M'	91.9Ω/km	11.8Ω/km	2	.38	1.25	5	.45	1.48	10	.59	1.94	20	.86	2.82	50	1.37	4.50	100



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															28.0Ω/M'	19.9Ω/km	23.6Ω/km	2	.38	1.25	5	.50	1.64	10	.65	2.13	20	.95	3.12	50	1.50	4.92	100



For Non-plenum version see 3131A. Sweep tested 5 MHz to 400 MHz.

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, CMR	1000	304.8	69.0	31.3											11.0Ω/M'	36.1Ω/km	4.9Ω/km	2	.18	.59	5	.26	.85	10	.38	1.25	20	.55	1.81	50	.83	2.72	100



Sweep tested 5 MHz to 400 MHz. CPE jacket optional.

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/ 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 • 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	3095A	NEC: CMP: PLTC CEC: CMP FT6	1000	304.8	76.0	34.5	14 AWG (solid) .064" BCCS 11.0Ω/M' 36.1Ω/km	.280	7.11	Duobond IV* (solid) Quad Shield 3.9Ω/M' 12.8Ω/km	.387	9.83	75	82%	16.5	54.1	1	.20	.70	.39	1.30	.39	1.30	1.20	3.90	1.70	5.60	2.50	8.20	3.50	11.50
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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 Style 1354 (30V 60°C) VW-1	8255	NEC: CMX CEC: CMX	500	152.4	16.5	7.5	24 AWG (7x32) .024" 59.0Ω/M' 193.6Ω/km	.146	3.71	BC Braid 95% Shield Coverage BCCS 2.9Ω/M' 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
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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	8254	—	U-500	U-152.4	18.0	8.2	22 AWG (solid) .025" 41.2Ω/M' 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage BCCS 2.9Ω/M' 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
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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 80°C	9228	—	500	152.4	15.0	6.8	22 AWG (solid) .025" 41.2Ω/M' 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage BCCS 2.9Ω/M' 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
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Suitable for Outdoor and Direct Burial applications.

Semi-solid Polyethylene Insulation • Black PVC Jacket

UL AWM Style 1478 (30V 60°C)	9268	NEC: CM CL2 CEC: CM	500	152.4	20.0	9.1	22 AWG (solid) .025" 41.2Ω/M' 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage BCCS 2.9Ω/M' 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
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IBM P/N 5252750 • Includes Mylar® tape as a moisture barrier for improved outdoor reliability.

UL AWM Style 1478 (30V 60°C)	9269	NEC: CM CL2 CEC: CM	U-500	U-152.4	18.5	8.4	22 AWG (solid) .025" 41.2Ω/M' 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage BCCS 2.9Ω/M' 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
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IBM P/N 323921 P-MSHA SC-1823**

*U-1000 put-up also available in Orange, Beige or Chrome.

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/ 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-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	89269	NEC:	100 [▲]	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	87269	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:					.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	82269	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:					.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 • White Tint FEP Jacket																			
200°C	86262	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:					.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	82262	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:					.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.

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.



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

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)	9272	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	89272	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)	9463	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	9250	—	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	9815	—	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.

Computer and Instrumentation Cable

100 Ohm, 124 Ohm and 150 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

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	9207	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	89207	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	9271	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
Style 2092		CM	500	152.4	12.5	5.7	(7x33)			12.0Ω/M'							10	1.7	5.6
(300V 60°C)		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	9860	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
Style 2448		CMX	1000	304.8	103.0	46.8	(solid)			+ 90%							10	.7	2.3
(30V 60°C)		CEC:	2000	609.6	202.0	91.8	.051"			TC Braid							50	1.8	5.9
VW-1		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	9182	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
Style 2668		CMX	500	152.4	23.0	10.4	(19x34)			6.3Ω/M'							10	1.2	3.9
(30V 60°C)		CL2X	1000	304.8	44.0	20.0	.031"			20.7Ω/km							50	2.7	8.7
VW-1		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)																			
	89182	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.

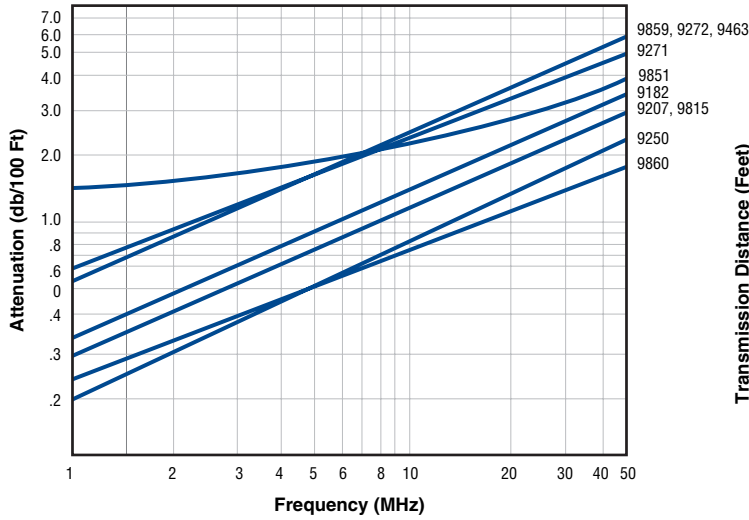


For more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com**

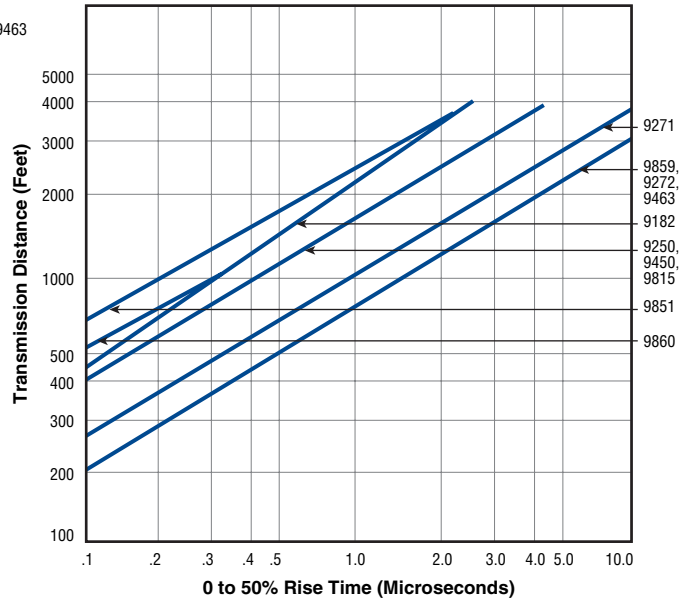
Computer and Instrumentation Cable

Electrical Characteristics — Twinax

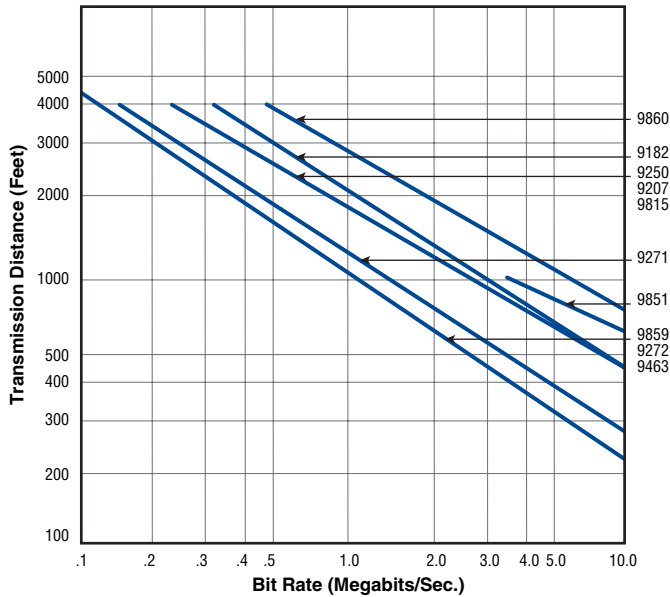
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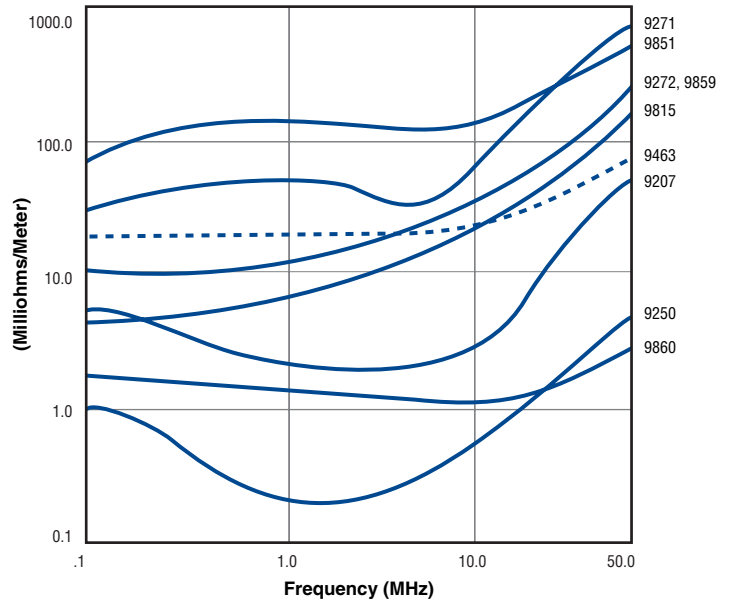
Rise Time



Bit Rate



Transfer Impedance



Computer and Instrumentation Cable

50 Ohm Triax

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-58A/U Type • 20 AWG Stranded (7x28) .037" Tinned Copper Conductor • Double Tinned Copper Braid Shield (96% Coverage)

Polyethylene Insulation • Yellow PVC Jacket (Polyethylene Insulation between Braids)																			
75°C	9222	—	100	30.5	4.6	2.1	20 AWG (7x28)	.114	2.90	(2) TC Braids 96% Shield 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 Inner: 9.5Ω/M' 31.0Ω/km							50	3.3	10.8
										Outer: 4.7Ω/M' 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)

Foam Polyethylene Insulation • Black Polyethylene Jacket (Polyethylene Insulation between Braids)																			
80°C	9888	—	500	152.4	72.5	33.0	11 AWG (7x19)	.285	7.24	(2) BC 96% Shield Coverage	.480	12.19	50	78%	26.0	85.3	1	.1	.5
			1000	304.8	140.0	63.6											10	.5	1.7
							.108"			BC Inner: 1.2Ω/M' 3.9Ω/km							50	1.2	3.9
										Outer: 1.2Ω/M' 3.9Ω/km							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
RG-8/U Type • 11 AWG Stranded (7x19) BC Conductor • Military-Type Braid Coverage • Fitted with PL-259 Connectors on Both Ends							
Foam Polyethylene Insulation • Black PVC Jacket							
	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