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″ SCHSCA 24.0Ω/M′ 78.7Ω/km	.084	2.13	SCHSCA 93% Shield Coverage 7.3Ω/M′ 24.0Ω/km	.129	3.28	77	70%	24.0	78.7	1	1.2	3.9
			1000†	304.8	16.0	7.3											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
M17/176-00002																	1000	41.4	135.8
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″ TC 9.5Ω/M′ 31.2Ω/km	.158	4.01	TC Braid 85% Shield Coverage 5.3Ω/M′ 17.4Ω/km	.235	5.97	78	66%	19.7	64.6	1	.7	2.3
																	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 VW-1	**8700**	NEC: CMH CEC: CMH FT1	250	76.2	.8	.3	28 AWG (solid) .013″ TC 66.9Ω/M′ 219.5Ω/km	.023	.58	BC Braid 90% Shield Coverage 28.7Ω/M′ 94.2Ω/km	.054	1.37	32	66%	55.2	181.1	1 10 50 100 200 400 700 900 1000	2.5 7.7 17.2 24.5 34.8 50.0 66.0 75.0 79.0	8.2 25.3 56.4 80.4 114.2 164.4 216.5 246.1 259.2
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**	—	100 500 1000	30.5 152.4 304.8	1.0 4.5 8.0	.5 2.0 3.6	26 AWG (7x34) .019″ BCCS 97.0Ω/M′ 318.3Ω/km	.044	1.12	TC Braid 90% Shield Coverage 14.0Ω/M′ 45.9Ω/km	.101	2.57	50	62%	38	125	—	—	—
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 VW-1	**9224**	—	U-500 1000	U-152.4 304.8	19.5 39.0	8.9 17.7	22 AWG (solid) .025″ BCCS 54.0Ω/M′ 177.0Ω/km	.146	3.71	BC Braid 93% Shield Coverage 2.5Ω/M′ 8.2Ω/km	.242	6.15	75	65%	22	72	—	—	—
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 VW-1	**9223**	—	100 500 1000	30.5 152.4 304.8	3.4 12.0 24.0	1.5 5.4 10.9	22 AWG (7x30) .030″ TC 10.8Ω/M′ 35.4Ω/km	.112	2.85	Duobond II* + 95% TC Braid 100% Shield Coverage 4.1Ω/M′ 13.5Ω/km	.195	4.95	50	56%	37	122	—	—	—
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

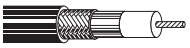
50 Ohm Ethernet® Coax

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 Style 1354 (30V 60°C)	**9907**	NEC: CL2 CM CEC: CM	500 U-1000 1000 1640 2500 3280	152.4 U-304.8 304.8 500.0 762.0 1000.0	12.5 24.0 23.0 41.0 62.5 82.0	5.7 10.9 10.4 18.6 28.4 37.3	20 AWG (19x32) .037″ TC 8.8Ω/M′ 28.9Ω/km	.102	2.59	Duobond II* + 93% TC Braid 5.8Ω/M′ 19.0Ω/km	.185	4.70	50	80%	25.4	83.3	1 10 50 100 200 400 700 900 1000	.4 1.3 2.9 4.2 6.1 8.9 12.1 13.9 14.8	1.4 4.3 9.5 13.8 20.0 29.2 39.7 45.6 48.6

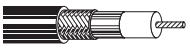


For Plenum versions see 89907 or 82907.

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

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket

150°C	**89907**	NEC: CMP CL2P CEC: CMP FT6	500 1000† 2500†	152.4 304.8 762.0	11.0 22.0 60.0	5.0 10.0 27.3	20 AWG (19x32) .037″ TC 8.8Ω/M′ 28.9Ω/km	.095	2.41	Duobond II* + 93% TC Braid 5.8Ω/M′ 19.0Ω/km	.160	4.06	50	80%	25.4	83.3	1 10 50 100 200 400 700 900 1000	.4 1.3 2.9 4.2 6.1 9.2 12.9 15.0 16.0	1.4 4.3 9.5 13.7 20.0 30.2 42.3 49.2 52.5

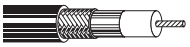


For Non-plenum version see 9907.

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

Plenum • FPFA Insulation • Natural Flamarrest® Jacket

75°C	**82907**	NEC: CMP CL2P CEC: CMP FT6	500† U-1000†† 1000† 2500†	152.4 U-304.8 304.8 762.0	11.0 23.0 22.0 57.5	5.0 10.5 10.0 26.1	20 AWG (19x32) .037″ TC 8.8Ω/M′ 28.9Ω/km	.095	2.41	Duobond II* + 93% TC Braid 5.8Ω/M′ 19.0Ω/km	.160	4.06	50	80%	25.4	83.3	1 10 50 100 200 400 700 900 1000	.4 1.3 2.9 4.2 6.1 9.2 12.9 15.0 16.0	1.4 4.3 9.5 13.7 20.0 30.2 42.3 49.2 52.5



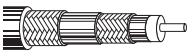
For Non-plenum version see 9907.

RG-58A/U Type

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 Style 1478 (30V 60°C)	**9880**	NEC: CL2 CM CEC: CM	500 1000 1640	152.4 304.8 500.0	66.0 131.0 219.8	30.0 59.5 99.7	12 AWG (solid) .086″ BC 1.4Ω/M′ 4.7Ω/km	.243	6.17	Duobond IV* (Duobond II + 94% TC Braid + Duofoil® + 90% TC Braid) 1.5Ω/M′ 5.0Ω/km	.405	10.29	50	78%	26.0	85.3	1 5 10 50 100 200 400 700 900 1000	.2 .4 .5 1.2 1.7 2.6 3.9 5.5 6.5 6.9	.6 1.2 1.7 3.9 5.6 8.4 12.8 18.1 21.3 22.6

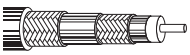


For Plenum version see 89880.

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

Plenum • Foam FEP Insulation • Orange Fluorocopolymer Jacket

150°C	**89880**	NEC: CL2P CMP CEC: CMP FT6	1000 1640†	304.8 500.0	134.0 224.7	60.9 102.1	12 AWG (solid) .086″ BC 1.4Ω/M′ 4.7Ω/km	.245	6.22	Duobond IV* (Duobond II + 90% TC Braid + Duofoil + 90% TC Braid) 1.5Ω/M′ 5.0Ω/km	.375	9.53	50	78%	26.0	85.3	1 5 10 50 100 200 400 700 900 1000	.2 .4 .5 1.2 1.7 2.5 3.8 5.6 6.8 7.2	.6 1.2 1.7 3.8 5.4 8.0 12.5 18.4 22.3 23.6



DEC Part No. 17-00324-00
Ring-band stripes marked every 2.5 meters to aid users in tap placement.
Suitable for Outdoor and Direct Burial applications.

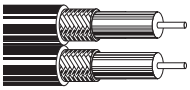
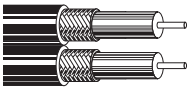
BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • FPFA = Foam Perfluoroalkoxy • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.
For cable manufactured to latest government revision or other MIL-SPEC requirements, please contact your nearest Belden Regional Sales Office.

*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).
Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).
†Final put-up length may vary from length shown ±10% for spools and reels, ±5% for UnReel® cartons.
††Length may vary -0/+10%.

Computer and Instrumentation Cable

75 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation 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 VW-1	**83267**	—	100† 1000†	30.5 304.8	1.9 11.0	.9 5.0	30 AWG (7x38) .012″ SPCCS 244.0Ω/M′ 801.0Ω/km	.063	1.60	SPC Braid 95% Shield Coverage 8.6Ω/M′ 28.2Ω/km	.103	2.62	75	69.5%	19.5	64.0	1 10 50 100 200 400 700 900 1000	3.0 5.3 8.5 10.0 12.5 16.0 19.7 22.3 24.0	9.8 17.4 27.9 32.8 41.0 52.5 64.6 73.2 78.7
 RG-187A/U Type • MIL-C-17D																			
75 Ohm • Dual RG-59/U Type • 23 AWG Solid .023″ Bare Copper-covered Steel Conductors • Bare Copper Braid Shield (95% Coverage)																			
Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 20063 (300V 80°C)	**9555**	NEC: CM CEC: CM	500 1000 2000	152.4 304.8 609.6	38.5 78.0 152.0	17.5 35.4 69.0	23 AWG (solid) .023″ BCCS 50.0Ω/M′ 164.0Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.238 x .478	6.05 x 12.14	75	66%	20.5	67.3	1 10 50 100 200 400 700 900 1000	.6 1.1 2.4 3.4 4.9 7.0 9.7 11.1 12.0	2.0 3.6 7.9 11.2 16.1 23.0 31.8 36.4 39.4
 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: CMP CEC: CMP FT6	500 1000	152.4 304.8	46.5 90.0	21.1 40.9	23 AWG (solid) .023″ BCCS 50.0Ω/M′ 164.0Ω/km	.134	3.40	BC Braid 97% Shield Coverage 2.6Ω/M′ 8.5Ω/km	.212 x .424	5.39 x 10.77	75	70%	19.5	64.0	1 10 50 100 200 400 700 900 1000	.5 1.1 2.5 3.5 5.1 7.5 10.4 12.0 12.7	1.6 3.6 8.2 11.5 16.7 24.6 34.1 39.4 41.7
 Suitable for Outdoor and Direct Burial applications.																			
75 Ohm • RG-6/U Type • 18 AWG Solid Bare Copper-covered Steel Conductor • Duobond® IV Quad Shield (100% Coverage)																			
Non-Plenum • Gas-injected Foam Polyethylene Insulation • Gray PVC Jacket																			
	3131A	NEC: CL2R, CMR CEC: CMR FT4	1000 2500††	304.8 762.2	39.0 97.5	17.7 44.3	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 91.9Ω/km	.180	4.57	Duobond IV* Quad Shield 3.6Ω/M′ 11.8Ω/km	.300	7.62	75	82%	16.2	53.2	1 2 5 10 20 50 100 200 300 400	.35 .38 .45 .59 .86 1.37 1.97 2.82 3.48 4.04	1.15 1.25 1.48 1.94 2.82 4.50 6.46 9.25 11.42 13.26
 Sweep tested 5 MHz to 400 MHz. CPE jacket optional.																			
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																			
150°C	**3132A**	NEC: CMP CEC: CMP FT6	1000	304.8	36.0	16.4	18 AWG (solid) .040″ BCCS 28.0Ω/M′ 19.9Ω/km	.170	4.32	Duobond IV* Quad Shield 7.2Ω/M′ 23.6Ω/km	.274	6.96	75	82%	16.3	53.5	1 2 5 10 20 50 100 200 300 400	.36 .38 .50 .65 .95 1.50 2.12 2.99 3.66 4.23	1.18 1.25 1.64 2.13 3.12 4.92 6.96 9.81 12.01 13.88
 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: CL2R, CMR CEC: CMG FT4	500 1000 2000	152.4 304.8 609.6	34.5 69.0 136.0	15.7 31.3 61.7	14 AWG (solid) .064″ BCCS 11.0Ω/M′ 36.1Ω/km	.280	7.11	Duobond IV* Quad Shield 1.5Ω/M′ 4.9Ω/km	.407	10.34	75	82%	16.2	53.2	1 2 5 10 20 50 100 200 300 400	.16 .18 .26 .38 .55 .83 1.17 1.60 1.99 2.30	.53 .59 .85 1.25 1.81 2.72 3.84 5.25 6.53 7.55
 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.

Computer and Instrumentation Cable

75 Ohm and 93 Ohm Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation 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* Quad Shield 3.9Ω/M′ 12.8Ω/km	.387	9.83	75	82%	16.5	54.1	1 10 50 100 200 400	.20 .39 1.20 1.70 2.50 3.50	.70 1.30 3.90 5.60 8.20 11.50
																			
Suitable for Outdoor and Direct Burial applications. Tap marks every 2.6 meters to aid users in installation.											Sweep tested 5 MHz to 400 MHz.								
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 1000	152.4 304.8	16.5 36.0	7.5 16.3	24 AWG (7x32) .024″ BCCS 59.0Ω/M′ 193.6Ω/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 10 50 100 200 400 700 900 1000	.3 .9 2.0 2.9 4.2 6.1 8.6 10.1 11.1	1.0 3.0 6.6 9.5 13.8 20.0 28.2 33.1 36.4
																			
MIL-C-17D																			
93 Ohm • RG-62/U Type • JAN-C-17A • 22 AWG Solid .025″ Bare Copper-covered Steel Conductor • BC Braid Shield (95% Coverage)																			
Semi-solid Polyethylene Insulation • Black PVC Jacket																			
75°C	**8254**	—	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	18.0 16.5 35.0 36.0	8.2 7.5 15.9 16.3	22 AWG (solid) .025″ BCCS 41.2Ω/M′ 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M′ 9.5Ω/km	.238	6.05	93	84%	13.5	44.3	1 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.7 3.8 5.3 7.3 8.2 8.7	.8 2.8 6.2 8.9 12.5 17.4 23.9 26.9 28.5
																			
93 Ohm • RG-62A/U Type • 22 AWG Solid .025″ Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)																			
Semi-solid Polyethylene Insulation • Black High-density Polyethylene Jacket																			
Flooded Burial 80°C	**9228**	—	500 1000 2000 5000	152.4 304.8 609.6 1524.0	15.0 33.0 68.0 170.0	6.8 15.0 30.9 77.3	22 AWG (solid) .025″ BCCS 41.2Ω/M′ 135.1Ω/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 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.7 3.8 5.3 7.3 8.2 8.7	.8 2.8 6.2 8.9 12.5 17.4 23.9 26.9 28.5
																			
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 U-1000 1000 2000	152.4 U-304.8 304.8 609.6	20.0 42.0 44.0 88.0	9.1 19.1 20.0 40.0	22 AWG (solid) .025″ BCCS 41.2Ω/M′ 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M′ 9.5Ω/km	.260	6.60	93	84%	13.5	44.3	1 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.7 3.8 5.3 7.3 8.2 8.7	.8 2.8 6.2 8.9 12.5 17.4 23.9 26.9 28.5
																			
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-500 500 U-1000▲ 1000 1640 2000 3280 5000	U-152.4 152.4 U-304.8 304.8 500.0 609.6 1000.0 1524.0	18.5 17.0 36.0 38.0 60.7 76.0 121.4 185.0	8.4 7.7 16.7 17.2 27.5 34.5 55.0 84.0	22 AWG (solid) .025″ BCCS 41.2Ω/M′ 135.1Ω/km	.146	3.71	BC Braid 95% Shield Coverage 2.9Ω/M′ 9.5Ω/km	.239	6.07	93	84%	13.5	44.3	1 10 50 100 200 400 700 900 1000	.3 .9 1.9 2.7 3.8 5.3 7.3 8.2 8.7	.8 2.8 6.2 8.9 12.5 17.4 23.9 26.9 28.5
											For Plenum version of 9269, see 89269, 87269 and 82269.								
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

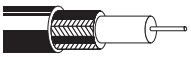
Mylar is a DuPont trademark.

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.

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
▲100 ft. put-up available in Black only. Suitable for Outdoor and Direct Burial applications.																	1000	8.7	28.5
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
Suitable for Outdoor and Direct Burial applications.																	1000	8.7	28.5
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
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
Suitable for Outdoor and Direct Burial applications.																	1000	8.7	28.5
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

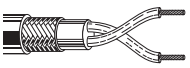
BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

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

Teflon is a DuPont trademark.

Computer and Instrumentation Cable

78 Ohm, 95 Ohm and 100 Ohm Twinax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation 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:	100	30.5	4.5	2.0	20 AWG (7x28) .038″ TC 9.5Ω/M′ 31.2Ω/km	.156	3.96	TC Braid 93% Shield Coverage 3.4Ω/M′ 11.2Ω/km	.244	6.20	78	66%	19.7	64.6	1	.6	2.0
		CM	500	152.4	18.5	8.4											10	2.1	6.9
		CEC:	U-500	U-152.4	20.0	9.1											50	5.0	16.4
		CM	U-1000	U-304.8	39.0	17.7											100	7.5	24.6
			1000	304.8	41.0	18.6											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:	500	152.4	17.0	7.7	20 AWG (7x28) .038″ TC 9.5Ω/M′ 31.2Ω/km	.148	3.76	TC Braid 93% Shield Coverage 3.9Ω/M′ 12.8v/km	.198	5.03	78	69.5%	18.4	60.4	1	.6	2.0
		CMP	1000	304.8	38.0	17.3											10	2.1	6.9
		CEC:															50	5.0	16.4
		CMP FT6															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:	100	30.5	4.4	2.0	20 AWG (7x28) .038″ TC 9.5Ω/M′ 31.0Ω/km	.154	3.91	Beldfoil + 55% TC Braid 4.1Ω/M′ 13.4Ω/km	.238	6.05	78	66%	19.7	64.6	1	.6	2.0
		CM CL2	U-500	U-152.4	19.5	8.9											10	2.1	6.9
		CEC:	500	152.4	18.0	8.2											50	3.6	11.8
		CM	U-1000	U-304.8	38.0	17.2											100	7.5	24.6
			1000▲	304.8	39.0	17.7											200	11.0	36.1
			6000▲†	1828.7	234.0	106.1											400	16.0	52.5
			10000▲†	3048.0	380.0	172.4						CPE jacket optional.							
																			
PMSHA P-7K-SC-182141* Allen Bradley P/N 1770-CD ▲1000 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) .046″ BC 6.6Ω/M′ 21.5Ω/km	.285	7.24	(2) TC Braids 95% Shield Coverage .9Ω/M′ 3.0Ω/km	.416	10.67	95	66%	16.0	52.5	1	.3	1.0
			1000	304.8	121.0	54.9											10	.9	3.0
																	20	1.3	4.3
																	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) .037″ (1) TC, (1) BC 9.5Ω/M′ 31.0Ω/km	.236	5.99	TC Braid 95% Shield Coverage 2.0Ω/M′ 6.6Ω/km	.330	8.38	100	66%	14.5	47.6	1	.4	1.3
			1000	304.8	69.0	31.4											10	1.1	3.6
			2000	609.6	134.0	60.9											50	2.5	8.2
																	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

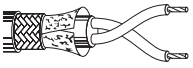
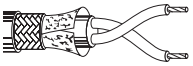
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

*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 Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation 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: CM CL2 CEC: CMG FT4	100 U-500 500 1000 1640 2000 3280 5000	30.5 U-152.4 152.4 304.8 500.0 609.6 1000.0 1524.0	7.1 33.0 34.5 68.0 111.5 136.0 219.8 350.0	3.2 15.0 15.7 30.9 50.7 61.8 99.9 159.1	20 AWG (7x28) .037″ (1) TC, (1) BC 9.5Ω/M′ 31.0Ω/km	.236	5.99	Duofoil +86% TC Braid 1.7Ω/M′ 5.7Ω/km	.330	8.38	100	66%	14.5	47.6	1 10 50 100 200 400	.3 1.2 2.8 4.1 6.4 10.2	1.0 3.9 9.2 13.5 21.0 33.5
																			
IBM P/N 7362211																			
For Plenum versions see 89207. CPE jacket optional.																			
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: CMP CEC: CMP FT6	100 500 1000	30.5 152.4 304.8	6.7 26.0 55.0	3.0 11.8 25.0	20 AWG (7x28) .037″ (1) TC, (1) BC 9.5Ω/M′ 31.2Ω/km	.201	5.11	Duofoil +85% TC Braid 2.5Ω/M′ 8.2Ω/km	.259	6.58	100	69.5%	14.0	46.0	1 10 50 100 200 300 400	.3 1.2 2.8 4.1 6.4 8.4 10.2	1.0 3.9 9.2 13.5 21.0 27.6 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 Style 2092 (300V 60°C)	**9271**	NEC: CM CEC: CM	100 500 U-1000 1000	30.5 152.4 U-304.8 304.8	3.2 12.5 27.0 28.0	1.5 5.7 12.3 12.7	25 AWG (7x33) .021″ TC 31.8Ω/M′ 104.3Ω/km	.170	4.32	Beldfoil 12.0Ω/M′ 39.4Ω/km	.240	6.10	124	66%	12.2	40.0	1 10 50 100 200 400	.6 1.7 3.6 5.0 6.9 9.6	2.0 5.6 11.8 16.4 22.6 31.5
																			
Shorting Fold																			
CPE jacket optional.																			
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 Style 2448 (30V 60°C) VW-1	**9860**	NEC: CMX CEC: CMX	500 1000 2000	152.4 304.8 609.6	52.0 103.0 202.0	23.6 46.8 91.8	16 AWG (solid) .051″ BC 4.2Ω/M′ 13.8Ω/km	.322	8.18	Duofoil + 90% TC Braid 1.3Ω/M′ 4.3Ω/km	.440	11.18	124	78%	10.9	35.8	1 10 50 100 200 400	.2 .7 1.8 2.9 4.1 6.2	.6 2.3 5.9 9.5 13.5 20.3
																			
CPE jacket optional.																			
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 Style 2668 (30V 60°C) VW-1	**9182**	NEC: CMX CL2X CEC: CMX	U-500 500 1000	U-152.4 152.4 304.8	21.5 23.0 44.0	9.8 10.4 20.0	22 AWG (19x34) .031″ TC 14.0Ω/M′ 45.9Ω/km	.275	6.98	Duofoil 6.3Ω/M′ 20.7Ω/km	.345	8.76	150	78%	8.8	28.9	1 10 50 100 200 400	.4 1.2 2.7 4.3 6.2 8.8	1.3 3.9 8.7 14.1 20.3 28.9
																			
Shorting Fold																			
For Plenum version of 9182, see 89182. Dual version: YR41609. CPE jacket optional.																			
Plenum • Foam FEP Teflon Insulation • Black FEP Teflon Jacket (Color Code: Black, Yellow)																			
	89182	NEC: CMP CL2P CEC: CMP FT6	100 500 1000	30.5 152.4 304.8	6.4 28.0 53.0	2.9 12.7 24.1	22 AWG (19x34) .031″ TC 14.0Ω/M′ 45.9Ω/km	.278	7.06	Duofoil 6.3Ω/M′ 20.7Ω/km	.307	7.80	150	78%	8.8	28.9	1 10 50 100 200 400	.4 1.2 2.7 4.3 6.2 8.8	1.3 3.9 8.7 14.1 20.3 28.9
																			

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

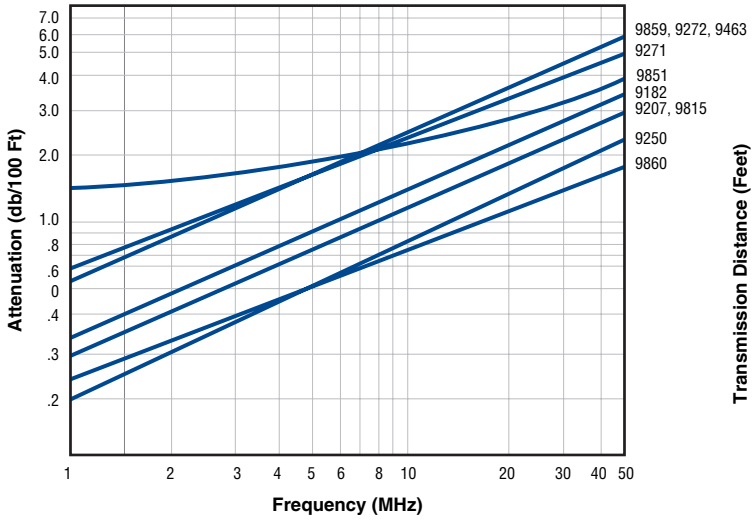
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

Teflon is a DuPont trademark.

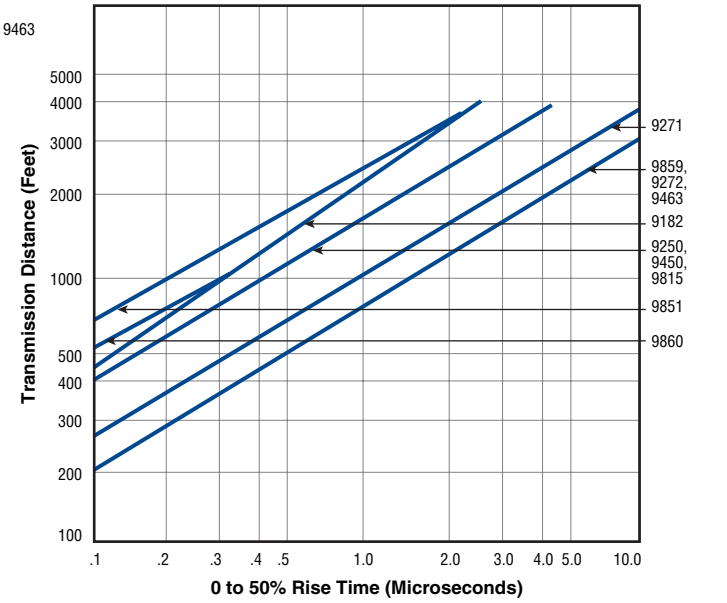
Computer and Instrumentation Cable

Electrical Characteristics — Twinax

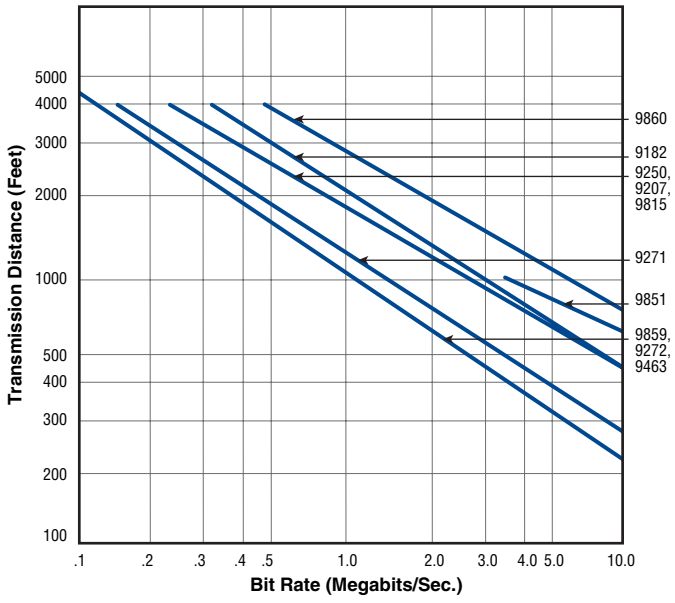
Attenuation



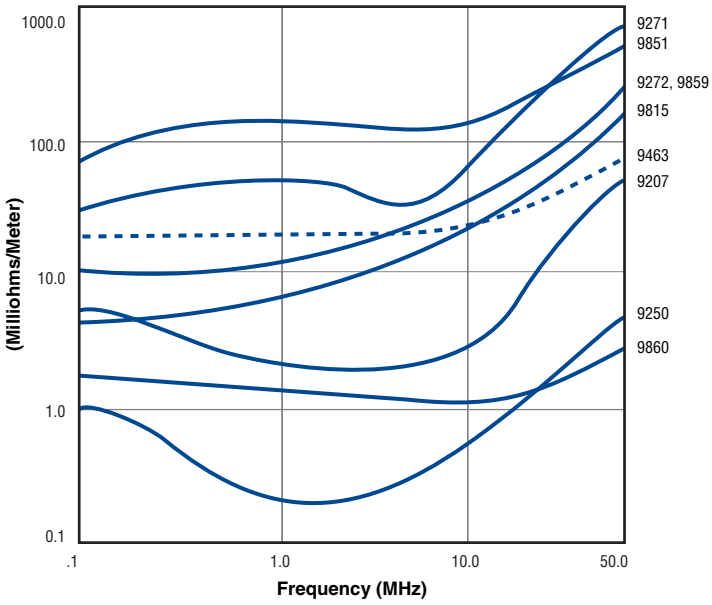
Rise Time



Bit Rate



Transfer Impedance



Computer and Instrumentation Cable

50 Ohm Triax

Description	Part No.	UL NEC/ 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 U-500 500	30.5 U-152.4 152.4	4.6 19.5 20.5	2.1 8.8 9.3	20 AWG (7x28) .037″ TC 9.5Ω/M′ 31.0Ω/km	.114	2.90	(2) TC Braids 96% Shield Coverage Inner: 4.7Ω/M′ 15.5Ω/km Outer: 4.3Ω/M′ 14.1Ω/km	.240	6.10	50	66%	30.8	101.0	1 10 50 100 200 400 700 900 1000	.5 1.5 3.3 4.9 7.2 12.0 18.0 22.0 24.0	1.6 4.9 10.8 16.1 23.6 39.4 57.1 72.2 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 1000	152.4 304.8	72.5 140.0	33.0 63.6	11 AWG (7x19) .108″ BC 1.2Ω/M′ 3.9Ω/km	.285	7.24	(2) BC 96% Shield Coverage Inner: 1.2Ω/M′ 3.9Ω/km Outer: 2.1Ω/M′ 4.9Ω/km	.480	12.19	50	78%	26.0	85.3	1 10 50 100 200 400 700 900 1000	.1 .5 1.2 1.8 2.7 4.2 5.8 6.7 7.1	.5 1.7 3.9 5.9 8.9 13.8 19.0 22.0 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**.