

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 VW-1	83267	—	100†	30.5	1.9	.9	30 AWG (7x38) .012" SPCCS 244.0 Ω /M' 801.0 Ω /km	.063	1.60	SPC Braid 95% Shield Coverage 8.6 Ω /M' 28.2 Ω /km	.103	2.62	75	69.5%	19.5	64.0	1	3.0	9.8	
																	10	5.3	17.4	
																	50	8.5	27.9	
																	100	10.0	32.8	
																	200	12.5	41.0	
																	400	16.0	52.5	
																	700	19.7	64.6	
																	900	22.3	73.2	
																	1000	24.0	78.7	



RG-187A/U Type • MIL-C-17D

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 50.0 Ω /M' 164.0 Ω /km	.146	3.71	BC Braid 95% Shield Coverage 2.6 Ω /M' 8.5 Ω /km	.238 x .478	6.05 x 12.14	75	66%	20.5	67.3	1	.6	2.0
																	10	1.1	3.6
																	50	2.4	7.9
																	100	3.4	11.2
																	200	4.9	16.1
																	400	7.0	23.0
																	700	9.7	31.8
																	900	11.1	36.4
																	1000	12.0	39.4

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 50.0 Ω /M' 164.0 Ω /km	.134	3.40	BC Braid 97% Shield Coverage 2.6 Ω /M' 8.5 Ω /km	.212 x .424	5.39 x 10.77	75	70%	19.5	64.0	1	.5	1.6
																	10	1.1	3.6
																	50	2.5	8.2
																	100	3.5	11.5
																	200	5.1	16.7
																	400	7.5	24.6
																	700	10.4	34.1
																	900	12.0	39.4
																	1000	12.7	41.7

Suitable for Outdoor and Direct Burial applications.

75 Ohm • RG-6/U Type • 18 AWG Solid Bare Copper-covered Steel Conductor • Duobond® IV Quad Shield (100% Coverage)

Non-Plenum • Gas-injected Foam Polyethylene Insulation • Gray PVC Jacket																			
	3131A	NEC: CL2R, CMR CEC: CMR FT4	1000 2500††	304.8 762.2	39.0 97.5	17.7 44.3	18 AWG (solid) .040" BCCS 28.0 Ω /M' 91.9 Ω /km	.180	4.57	Duobond IV* Quad Shield 3.6 Ω /M' 11.8 Ω /km	.300	7.62	75	82%	16.2	53.2	1	.35	1.15
																	2	.38	1.25
																	5	.45	1.48
																	10	.59	1.94
																	20	.86	2.82
																	50	1.37	4.50
																	100	1.97	6.46
																	200	2.82	9.25
																	300	3.48	11.42
																	400	4.04	13.26

Sweep tested 5 MHz to 400 MHz.

CPE jacket optional.

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																			
150°C	3132A	NEC: CMP CEC: CMP FT6	1000	304.8	36.0	16.4	18 AWG (solid) .040" BCCS 28.0 Ω /M' 19.9 Ω /km	.170	4.32	Duobond IV* Quad Shield 7.2 Ω /M' 23.6 Ω /km	.274	6.96	75	82%	16.3	53.5	1	.36	1.18
																	2	.38	1.25
																	5	.50	1.64
																	10	.65	2.13
																	20	.95	3.12
																	50	1.50	4.92
																	100	2.12	6.96
																	200	2.99	9.81
																	300	3.66	12.01
																	400	4.23	13.88

Suitable for Outdoor and Direct Burial applications.

75 Ohm • RG-11/U Type • 14 AWG Solid Bare Copper-covered Steel Conductor • Duobond IV Quad Shield (100% Coverage)

Non-Plenum • Gas-injected Foam Polyethylene Insulation • Gray PVC Jacket																			
	3094A	NEC: 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 11.0 Ω /M' 36.1 Ω /km	.280	7.11	Duobond IV* Quad Shield 1.5 Ω /M' 4.9 Ω /km	.407	10.34	75	82%	16.2	53.2	1	.16	.53
																	2	.18	.59
																	5	.26	.85
																	10	.38	1.25
																	20	.55	1.81
																	50	.83	2.72
																	100	1.17	3.84
																	200	1.60	5.25
																	300	1.99	6.53
																	400	2.30	7.55

Tap marks every 2.6 meters to aid users in installation.

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • SPC = Silver-coated Copper • SPCCS = Silver-coated Copper-covered Steel • TFE = Tetra Fluoroethylene

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

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

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

†† Spools may contain more than one piece. Final put-up may vary $\pm 10\%$ for spools and reels and $\pm 5\%$ for UnReel® cartons. 25 feet minimum length.

Teflon is a DuPont trademark.

BELDEN

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