

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
			CM	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																	700	12.1	39.7	
																	900	13.9	45.6	
																	1000	14.8	48.6	

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
RG-58A/U Type DEC Part No. 17-01246-00. Suitable for Outdoor applications.																	400	9.2	30.2	
																	700	12.9	42.3	
																	900	15.0	49.2	
																	1000	16.0	52.5	

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
RG-58A/U Type																	400	9.2	30.2	
																	700	12.9	42.3	
																	900	15.0	49.2	
																	1000	16.0	52.5	

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
DEC Part No. 17-00451-00 Ring-band stripes marked every 2.5 meters to aid users in tap placement.																	200	2.6	8.4	
																	400	3.9	12.8	
																	700	5.5	18.1	
																	900	6.5	21.3	
																	1000	6.9	22.6	

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
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.																	200	2.5	8.0	
																	400	3.8	12.5	
																	700	5.6	18.4	
																	900	6.8	22.3	
																	1000	7.2	23.6	

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.

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

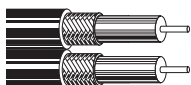


RG-187A/U Type • MIL-C-17D

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

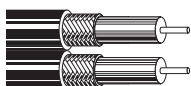
UL AWM Style 20063 (300V 80°C)	9555	NEC:	500	152.4	38.5	17.5	23 AWG (solid)	.146	3.71	BC Braid	.238	6.05	75	66%	20.5	67.3	1	.6	2.0													
		CM	1000	304.8	78.0	35.4											50.0Ω/M'	164.0Ω/km	95% Shield Coverage	10	1.1	3.6	50	2.4	7.9	100	3.4	11.2	200	4.9	16.1	400



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



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



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



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**

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

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* Quad Shield 3.9Ω/M' 12.8Ω/km	.387	9.83	75	82%	16.5	54.1	1	.20	.70
Sweep tested 5 MHz to 400 MHz.																			
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 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	U-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
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
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 * 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.



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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

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

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.

BELDEN

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

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