

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
																		700	12.1	39.7
																		900	13.9	45.6
																		1000	14.8	48.6

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

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
																		700	12.9	42.3
																		900	15.0	49.2
																		1000	16.0	52.5

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

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
																		700	12.9	42.3
																		900	15.0	49.2
																		1000	16.0	52.5

RG-58A/U Type

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

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	
										5.0Ω/km							400	3.9	12.8	
																	700	5.5	18.1	
																	900	6.5	21.3	
																	1000	6.9	22.6	

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

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	
										5.0Ω/km							400	3.8	12.5	
																	700	5.6	18.4	
																	900	6.8	22.3	
																	1000	7.2	23.6	

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

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

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

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

IEEE 802.3 • ISO/IEC 8802.3 10Base2 and 10Base5

Trunk Cables — Thinnet and Thicknet

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 • 20 AWG Stranded (19x32) .037" Tinned Copper Conductors • Duobond® II + Tinned Copper Braid Shield (93% Coverage)

Non-Plenum • Ethernet • Foam HDPE 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 25.0 25.0 41.0 62.5 82.0	5.7 11.4 11.4 18.6 28.4 37.3	20 AWG (19x32) .037"	.102 2.59	2.59	Duobond II + 93% Tinned Copper Braid 5.8Ω/M'	.185 4.70	50 80%	25.4 83.3	80%	25.4 83.3	1 10 50 100 200 400 700 900 1000	.43 1.30 2.90 4.20 6.10 8.90 12.10 13.90 14.80	1.4 4.3 9.5 13.8 20.0 29.2 39.7 45.6 48.6
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For Plenum versions of 9907, see 89907 or 82907.

DEC Part No. 17-01248-00

Plenum Ethernet • Foam FEP Insulation • Natural Flamarrest® Jacket

300V 75°C	82907	NEC: CL2P, CMP CEC: CMP	500† U-1000 1000† 2500†	152.4 U-304.8 304.8 762.0	12.5 23.0 24.0 57.5	5.7 10.9 10.9 26.1	20 AWG (19x32) .037"	.095 2.41	2.41	Duobond II + 93% Tinned Copper Braid 5.8Ω/M'	.160 4.06	50 80%	25.4 83.3	80%	25.4 83.3	1 10 50 100 200 400 700 900 1000	.43 1.30 2.90 4.20 6.10 9.20 12.90 15.00 16.00	1.4 4.3 9.5 13.8 20.0 30.2 42.3 49.2 52.5
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Plenum Ethernet • Foam FEP Insulation • Gray Fluorocopolymer Jacket

300V 150°C	89907†	NEC: CL2P, CMP CEC: CMP	500† U-1000 1000† 2500†	152.4 U-304.8 304.8 762.0	12.5 24.0 24.0 60.0	5.7 10.9 10.9 27.3	20 AWG (19x32) .037"	.095 2.41	2.41	Duobond II + 93% Tinned Copper Braid 5.8Ω/M'	.160 4.06	50 80%	25.4 83.3	80%	25.4 83.3	1 10 50 100 200 400 700 900 1000	.43 1.30 2.90 4.20 6.10 9.20 12.90 15.00 16.00	1.4 4.3 9.5 13.8 20.0 30.2 42.3 49.2 52.5
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DEC Part No. 17-01246-00

Suitable for Outdoor and Direct Burial applications.

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

Non-Plenum • Ethernet • 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 99.9	12 AWG (solid) .086"	.243 6.17	6.17	Duobond IV (Duobond II + 94% TC Braid + Duofoil® + 90% TC Braid) 1.52Ω/M'	.405 10.29	50 78%	26.0 85.0	78%	26.0 85.0	1 5 10 50 100 200 400 700 900 1000	.19▲ .37▲ .52▲ 1.20▲ 1.70▲ 2.55▲ 3.90▲ 5.50▲ 6.50▲ 6.90▲	.62 1.21 1.71 3.94 5.58 8.37 12.80 18.10 21.30 22.60
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For Plenum version of 9880, see 89880.

DEC Part No. 17-00451-00

Ring-band stripes marked every 2.5 meters to aid users in tap placement.

Plenum Ethernet • Foam FEP Insulation • Orange Fluorocopolymer Jacket

150°C	89880	NEC: CL2P, CMP CEC: CMP	1000† 1640†	304.8 500.0	134.0 224.7	60.9 102.1	12 AWG (solid) .086"	.245 6.22	6.22	Duobond IV (Duobond II + 94% TC Braid + Duofoil + 90% TC Braid) 1.52Ω/M'	.375 9.53	50 78%	26.0 85.0	78%	26.0 85.0	1 5 10 50 100 200 400 700 900 1000	.18 .37▲ .52▲ 1.15 1.65 2.45 3.80 5.60 6.80 7.20	.59 1.21 1.71 3.77 5.41 8.04 12.50 18.40 22.30 23.60
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DEC Part No. 17-00324-00

Suitable for Outdoor and Direct Burial applications.

Ring-band stripes marked every 2.5 meters to aid users in tap placement.

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

* Duobond IV = Duobond II (100% coverage) + tinned copper braid (90% coverage) + Duofoil® (100% coverage) + tinned copper braid (90% coverage).

Plenum version is Duobond II (100% coverage) + tinned copper braid (94% coverage) + Duofoil (100% coverage) + tinned copper braid (90% coverage).

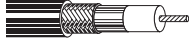

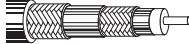
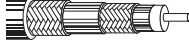
† Spools are one piece, but length may vary ±10% from length shown.

▲ Maximum Attenuation

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Industrial Data Solutions® — Industrial Ethernet

Coaxial 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	
Thinnet 10Base2 Ethernet • 20 AWG Stranded (19x32) .037" TC Conductor • Duobond® II (100% Coverage) + TC Braid (93% Coverage)																				
Foam Polyethylene Insulation • Gray PVC Jacket																				
UL AWM Style 1354 (30V 60°C) 	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	.43	1.4	
		CL2	U-1000	U-304.8	25.0	11.4	(19x32)			+ 93%								10	1.30	4.3
		CM	1000	304.8	25.0	11.4	.037"			TC Braid								50	2.90	9.5
		CEC:	1640	500.0	41.0	18.6	TC			5.8Ω/M'								100	4.20	13.8
		CM	U-2500	U-762.0	60.0	27.3	8.8Ω/M'			19.0Ω/km								200	6.10	20.0
			2500	762.0	62.5	28.4	28.9Ω/km											400	8.90	29.2
	3280	1000.0	82.0	37.3												700	12.10	39.7		
																900	13.90	45.6		
																1000	14.80	48.6		
DEC Part No. 17-01248-00																				
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																				
150°C 	89907	NEC:	500	152.4	13.0	5.7	20 AWG	.095	2.41	Duobond II	.160	4.06	50	80%	25.4	83.3	1	.43	1.4	
		CL2P	1000	304.8	24.0	10.9	(19x32)			+ 93%								10	1.30	4.3
		CMP	2500†	762.0	60.0	27.3	.037"			TC Braid								50	2.90	9.5
		CEC:					TC			5.8Ω/M'								100	4.18	13.8
		CMP FT6					8.8Ω/M'			19.0Ω/km								200	6.10	20.0
							28.9Ω/km											400	9.20	30.2
																700	12.90	42.3		
																900	15.00	49.2		
																1000	16.00	52.5		
RG-58/U Type DEC Part No. 17-01246-00 Suitable for Outdoor and Direct Burial applications.																				
Thicknet 10Base5 Ethernet • 12 AWG Solid .086" Bare Copper Conductor • Duobond IV* Quad Shield (100% Coverage)																				
Foam Polyethylene Insulation • Yellow PVC Jacket																				
UL AWM Style 1478 (30V 60°C) 	9880	NEC:	500	152.4	66.0	30.0	12 AWG	.243	6.17	Duobond IV	.405	10.29	50	78%	26.0	85.0	1	.19	.62	
		CL2	1000	304.8	131.0	59.5	(solid)			(Duobond II								5	.37	1.21
		CM	1640	500.0	219.0	99.9	.086"			+ 94% TC Braid								10	.52	1.71
		CEC:					BC			+ Duofoil®								50	1.20	3.94
		CM					1.4Ω/M'			+ 90% TC								100	1.70	5.58
							4.7Ω/km			Braid)								200	2.55	8.37
								1.5Ω/M'								400	3.90	12.80		
								5.0Ω/km								700	5.50	18.10		
																900	6.50	21.30		
																1000	6.90	22.60		
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:	1000	304.8	134.0	60.9	12 AWG	.245	6.22	Duobond IV	.375	9.53	50	78%	26.0	85.0	1	.18	.59	
		CL2P	1640†	500.0	224.7	102.1	(solid)			(Duobond II								5	.37 max.	1.21
		CMP					.086"			+ 90% TC Braid								10	.52 max.	1.71
		CEC:					BC			+ Duofoil								50	1.15	3.77
		CMP FT6					1.4Ω/M'			+ 90% TC								100	1.65	5.41
							4.7Ω/km			Braid)								200	2.45	8.04
								1.5Ω/M'								400	3.80	12.50		
								5.0Ω/km								700	5.60	18.40		
																900	6.80	22.30		
																1000	7.20	23.60		
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 • TC = Tinned Copper

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

*Duobond IV = Duobond II + 94% tinned copper braid + Duofoil® + 90% tinned copper braid.

(Plenum version is Duobond II + 90% tinned copper braid + Duofoil + 90% tinned copper braid.)

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