

Industrial Data Solutions® - Industrial Ethernet Cables

Coaxial Cables



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material 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/ 100 m

**Thinnest 10Base2 Ethernet • 20 AWG • Stranded (19x32) 0.9 mm Tinned Copper • Duobond® II • 93% Tinned Copper Braid**

Ethernet • Foam HDPE Insulation • Grey PVC Jacket																					
	30V 60°C	<b>9907</b>	NEC:	500	152	12.6	5.7	0.94 mm	0.102	2.59	Duobond® II	0.185	4.70	50	80%	25.4	83.3	1	0.4	1.4	
	UL AWM Style 1354		CL2	U-1000	U-305	25.1	11.4	20 AWG			+ 93% TC							10	1.3	4.3	
			CM	1000	305	25.1	11.4	(19x32) TC			Braid								50	2.9	9.5
			CEC:	1640	500	41.0	18.6	47.9 Ω/km*			19.0 Ω/km***								100	4.2	13.8
			CM	3280	1000	82.2	37.3	28.9 Ω/km**											200	6.1	20.0
																		400	8.9	29.2	
																		700	12.1	39.7	
																		900	13.9	45.6	
																		1000	14.8	48.6	

DEC Part No. 17-01248-00

Plenum • Ethernet • Foam FEP Insulation • Grey Fluorocopolymer Jacket																					
	300V 150°C	<b>89907</b>	NEC:	† 500	152	12.6	5.7	0.94 mm	0.095	2.41	Duobond® II	0.160	4.06	50	80%	25.4	83.3	1	0.4	1.4	
			CL2P	† 1000	305	24.0	10.9	20 AWG			+ 93% TC								10	1.3	4.3
			CMP	† 2500	762	60.2	27.3	(19x32) TC			Braid								50	2.9	9.5
			CEC:					47.9 Ω/km*			19.0 Ω/km***								100	4.2	13.8
			CMP					28.9 Ω/km**											200	6.1	20.0
																		400	9.2	30.2	
																		700	12.9	42.3	
																		900	15.0	49.2	
																		1000	16.0	52.5	

RG-58/U Type

DEC Part No. 17-01248-00

Suitable for outdoor and direct burial applications.

**Thickest 10Base5 Ethernet • 12 AWG • Solid 2.1 mm Bare Copper • Duobond® IV Quad Shield**

Ethernet • Foam PE Insulation • Yellow PVC Jacket																					
	30V 60°C	<b>9880</b>	NEC:	500	152	66.1	30.0	2.05 mm	0.243	6.17	Duobond® IV	0.405	10.29	50	78%	25.9	85.3	1	0.2	0.6	
	UL AWM Style 1478		CL2	1000	305	131.2	59.5	12 AWG			Quad Shield								5	0.4	1.2
			CM	1640	500	220.2	99.9	Solid BC			5.0 Ω/km***								10	0.5	1.7
			CEC:					9.7 Ω/km*											50	1.2	3.9
			CM					4.7 Ω/km**											100	1.7	5.6
																		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	

DEC Part No. 17-00451-00

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

Plenum • Foam FEP Insulation • Orange Fluorocopolymer Jacket																					
	150°C	<b>89880</b>	NEC:	1000	305	134.3	60.9	2.05 mm	0.245	6.22	Duobond® IV	0.375	9.53	50	78%	25.9	85.3			see above	
			CL2P	†† 1640	500	225.1	102.1	12 AWG			Quad Shield										
			CMP					Solid BC			5.0 Ω/km***										
			CEC:					9.7 Ω/km*													
			CMP FT6					4.7 Ω/km**													

DEC Part No. 17-00324-00

Ring-band stripes marked every 2.5 m to aid users in tap placement. Suitable for outdoor and direct burial applications.

\* DC loop resistance • \*\* DC resistance inner conductor • \*\*\* DC resistance outer conductor • TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

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

†† Final put-up length may vary from length shown ±10% for spools and reels, ±5% for UnReel® cartons.

Duobond® II and Duobond® IV see technical information page 23.13.