






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

Trunk Cables – Thinnet and Thicknet

De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Core OD (Dielectric)		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	
Thinnet 10Base2 • 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 9907	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, CM	U-1000	U-305	25.1	11.4	20 AWG			+ 93% TC							10	1.3	4.3	
		CEC:	1000	305	25.1	11.4	(19x32) TC			19.0 Ω/km***							50	2.9	9.5	
		CM	1640	500	41.0	18.6	47.9 Ω/km*										100	4.2	13.8	
			2500	762	62.6	28.4	28.9 Ω/km**										200	6.1	20.0	
			3280	1000	82.2	37.3											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 For Plenum version of 9907, see 89907 or 82907.																				
Plenum • Ethernet • Foam FEP Insulation • Natural Flamarrest® Jacket																				
	300V 75°C 82907	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	U-1000	U-305	23.1	10.5	20 AWG			+ 93% TC							10	1.3	4.3	
		CMP	† 1000	305	24.0	10.9	(19x32) TC			19.0 Ω/km***							50	2.9	9.5	
		CEC:	† 2500	762	57.5	26.1	47.9 Ω/km*										100	4.2	13.8	
		CM					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		
DEC Part No. 17-01246-00 Suitable for outdoor and direct burial applications.																				
Plenum • Ethernet • Foam FEP Insulation • Grey Fluorocopolymer Jacket																				
	300V 150°C 89907	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				
		CL2, CM	† 1000	305	24.0	10.9	20 AWG			+ 93% TC										see above
		CEC:	† 2500	762	60.2	27.3	(19x32) TC			19.0 Ω/km***										
		CM					47.9 Ω/km*													
							28.9 Ω/km**													
DEC Part No. 17-01246-00 Suitable for outdoor and direct burial applications.																				
Thinnet 10Base2 • 12 AWG • Solid 2.05 mm Bare Copper • Duobond® IV Quad Shield																				
Ethernet • Foam Polyethylene Insulation • Yellow PVC Jacket																				
	30V 60°C 9880	NEC:	500	152	66.1	30.0	2.05 mm	0.243	6.17	Duobond® IV	0.405	10.29	50	78%	25.9	85.0	1	0.2	0.6	
	UL AWM Style 1478	CL2, CM	1000	305	131.2	59.5	12 AWG			Quad Shield							5	0.4	1.2	
		CEC:	1640	500	220.2	99.9	Solid BC			5.0 Ω/km***							10	0.5	1.7	
		CM					9.66 Ω/km*										50	1.2	3.9	
							4.66 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 5.0 Ω/km Ring-band stripes marked every 2.5 meters to aid users in tap placement. For Plenum version of 9880, see 89880.																				
Plenum • Ethernet • Foam FEP Insulation • Orange Fluorocopolymer Jacket																				
	150°C 89880	NEC:	† 1000	305	134.3	60.9	2.05 mm	0.245	6.22	Duobond® IV*	0.375	9.53	50	78%	25.9	85.0	1	0.2	0.6	
		CL2P	† 1640	500	225.1	102.1	12 AWG			Quad Shield							5	0.4	1.2	
		CMP					Solid BC			5.0 Ω/km***							10	0.5	1.7	
		CEC:					9.66 Ω/km*										50	1.1	3.8	
		CM					4.66 Ω/km**										100	1.6	5.4	
																	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		
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.																				

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance
 † Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.

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

 Not RoHS compliant at time of printing.