






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. ()	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 /km***							50	2.9	9.5
		CM	1640	500	41.0	18.6	47.9 /km*										100	4.2	13.8
			2500	762	62.6	28.4	28.9 /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 /km***							50	2.9	9.5
		CEC:	† 2500	762	57.5	26.1	47.9 /km*										100	4.2	13.8
		CMP					28.9 /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	
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									
		CEC:	† 2500	762	60.2	27.3	(19x32) TC			19.0 /km***									
		CM					47.9 /km*												
							28.9 /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 /km***							10	0.5	1.7
		CM					9.66 /km*										50	1.2	3.9
							4.66 /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 /km																
			For Plenum version of 9880, see 89880.																
			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:	† 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 /km***							10	0.5	1.7
		CEC:					9.66 /km*										50	1.1	3.8
		CMP					4.66 /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																
			Suitable for outdoor and direct burial applications.																
			Ring-band stripes marked every 2.5 meters to aid users in tap placement.																

* 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.

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

Thinnet 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	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	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	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	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.

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

Ethernet • Foam PE 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	85.3	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	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	85.3			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.