






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 UL AWM Style 1354	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	
	CL2P, 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	
	CM					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 UL AWM Style 1478	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	
	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	
	CM					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.

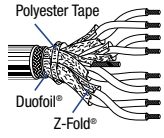
IEEE 802.3, ISO/IEC 8802.3 10Base5

Transceiver 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. ()	Nom. Vel. of Prop.	Nominal Capacitance		Color Code
			ft.	m	lbs.	kg		inch	mm		inch	mm			pF/ft.	pF/m	

28 and 24 AWG • Stranded (7x36) 0.4 mm and (7x32) 0.6 mm Tinned Copper • **Beldfoil**® • Twisted Pair •**Overall Polyester Isolation Tape + Duofoil® + 92% Tinned Copper Braid + 24 AWG Tinned Copper Drain Wire**

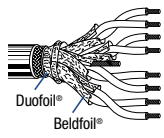
Polypropylene Insulation • Light Grey PVC Jacket																		
30V 80°C UL AWM Style 2919	9903	NEC: CMG CEC: CMG	500 1000	152 305	21.6 43.0	9.8 19.5	3-Pair: 0.38 mm 28 AWG (7x36) TC 1-Pair: 0.61 mm 24 AWG (7x32) TC	0.033 0.044	0.84 1.12	Individual Beldfoil® + Drain Wire (24 AWG TC) + Overall Duofoil® + 92% TC Braid	0.250 0.250	6.35 6.35	78* 78*	66% 66%	CDR/CDR CDR/CDR	19.7 34.8 114.2	64.6 114.2	Grey/White, Yellow/Orange Blue/Green, Black/Red



4-Pair
* 3-Pair

20 AWG • Stranded (7x28) 1.0 mm Tinned Copper • **Beldfoil**® • Twisted Pair •**Overall Polyester Isolation Tape + Duofoil® + 95% Tinned Copper Braid + 22 AWG Tinned Copper Drain Wire**

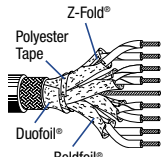
Datalene® Insulation • Light Grey PVC Jacket																		
30V 80°C UL AWM Style 2919	9901	NEC: CL2, CM CEC: CM	500 1000	152 305	53.6 106.3	24.3 48.2	1.0 mm 20 AWG (7x28) TC	0.077 0.077	1.96 1.96	Individual Beldfoil® + Drain Wire (22 AWG TC) + Overall Duofoil® + 95% TC Braid	0.415 0.415	10.54 10.54	78 78	78% 78%	CDR/CDR CDR/CDR	16.7 29.5 96.8	54.8 96.8	Grey/White Yellow/Orange, Blue/Green, Black/Red



4-Pair
DEC Part No. 17-01320-00

Plenum • FEP Teflon® Insulation • Light Grey Fluorocopolymer (PVDF) Jacket**

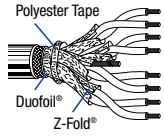
150°C	89901	NEC: CMP CEC: CMP	** 500 ** 1000	152 305	51.6 104.3	23.4 47.3	1.0 mm 20 AWG (7x28) TC	0.060 0.060	1.52 1.52	Individual Beldfoil® + Drain Wire (22 AWG TC) + Overall Duofoil® + 95% TC Braid	0.370 0.370	9.40 9.40	78 78	78% 78%	CDR/CDR CDR/CDR	16.7 29.5 96.8	54.8 96.8	Grey/White Yellow/Orange, Blue/Green, Black/Red
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4-Pair
DEC Part No. 17-01319-00
Suitable for outdoor and direct burial applications.

20 and 22 AWG • Stranded (7x30) 0.8 mm and (7x28) 1.0 mm Tinned Copper • **Beldfoil**® • Twisted Pair •**Overall Duofoil® + 95% Tinned Copper Braid + 22 AWG Tinned Copper Drain Wire**

Ethernet • Foam HDPE (22 AWG) and PVC (20 AWG) Insulation • Light Blue PVC Jacket																		
30V 80°C UL AWM Style 2919	9891	NEC: CM CEC: CM	100 500 1000	30 152 305	8.2 35.9 70.1	3.7 16.3 31.8	3-Pair: 0.76 mm 22 AWG (7x30) TC 1-Pair: 0.96 mm 20 AWG (7x28) TC	0.063 0.062	1.59 1.57	Individual Beldfoil® + Drain Wire (22 AWG TC) + Overall Duofoil® + 95% TC Braid	0.315 0.315	8.00 8.00	78* 78*	78% 78%	CDR/CDR CDR/CDR	16.7 29.5 96.8	54.8 96.8	Black/White Yellow/Orange, Blue/Green, Black/Red Blue/Green, Grey/Violet




4-Pair
* 3-Pair

TC = Tinned Copper • DCR = DC resistance • ** Foam FEP (data pairs) and solid FEP (power pair).
Duofoil® see technical information page 23.13. Teflon® is a DuPont trademark.

⚠ Not RoHS compliant at time of printing

IEEE 802.4, MAP & Mini-MAP, IEEE 802.7


Broadband Coaxial Cables


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
14 AWG • Solid 1.6 mm Copper-Covered Steel • Duobond® IV Quad Shield																			
Gas-Injected Foam Polyethylene Insulation • Grey PVC Jacket																			
	3094A	NEC: CL2R CMR CEC: CMG	500 1000 † 2000	152 305 610	31.1 62.2 121.9	14.1 28.2 55.3	1.63 mm 14 AWG Solid CCS 20.0 /km* 36.1 /km**	0.280 7.11	7.11	Duobond® IV Quad Shield 4.9 /km*** 7.9 mm	0.407 10.34	75 82%	16.2 53.1		1 2 5 10 20 50 100 200 300 400	0.2 0.2 0.3 0.4 0.5 0.8 1.2 1.6 2.0 2.3	0.5 0.6 0.9 1.2 1.8 2.7 3.8 5.3 6.6 7.6		
 RG-11/U Type		Tap marks every 2.6 meters to aid users in installation. Sweep tested 5 MHz to 400 MHz. CPE jacket optional.																	

IEEE 802.5, ISO/IEC 8802.5

IBM Cabling System

Types 1A and 1

De- Description	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
IBM Type 1a • 22 AWG • Solid 0.6 mm Bare Copper • Each Pair Individually Beldfoil® Shielded • 65% Overall Tinned Copper Braid • Rip Cord																			
Flame-Retardant Foam Polyethylene Insulation • Black PVC Jacket																			
	IBM Part No. 9688 4716748 33G2772	NEC: CMG CEC: CMG	† 500 † 1000 † 2000 † 3600	152 305 610 1098	26.5 50.0 102.1 190.7	12.0 22.7 46.3 86.5	0.64 mm 22 AWG Solid BC	0.099 2.51	2.51	Individual Beldfoil® + Overall 65% TC Braid	0.296 7.52 0.431 10.95	150 -	8.5 27.9		4 16 100 300 100 †† 300 †† 600 ††	0.7 1.3 3.8 6.5 4.1 7.1 10.0	2.2 4.4 12.3 21.4 13.4 23.3 32.9		
 Rip Cord 2-Pair		Meets IEEE 802.5 and TIA/EIA-568-A specifications, ETL verified. For token ring (4/16 Mbps), FDDI over copper, and video applications. IBM qualified type 1A media cable for use in IBM cabling systems. For non-suffix "A" type IBM product, see 1634A below.																	

IBM Type 1 • 22 AWG • Solid 0.6 mm Bare Copper • Each Pair Individually Beldfoil® Shielded • 65% Overall Tinned Copper Braid • Rip Cord																			
Flame-retardant Foam Polyethylene Insulation • Black PVC Jacket																			
	IBM Part No. 1634A 4716748	NEC: CMG CEC: CMG	† 1000 † 2000 † 3600	305 610 1098	50.0 102.3 191.1	22.7 46.4 86.7	0.64 mm 22 AWG Solid BC	0.099 2.51	2.51	Individual Beldfoil® + Overall 65% TC Braid	0.296 7.52 0.431 10.95	150 -	8.5 27.9		4 16	0.7 1.3	2.2 4.4		
 Rip Cord 2-Pair		Meets IEEE 802.5 and TIA/EIA-568-A specifications, ETL verified. IBM qualified type 1A media cable for use in IBM cabling systems. For token ring (4/16 Mbps), FDDI over copper, and video applications.																	

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • CCS = Copper-Covered Steel • TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance
 † Spools are one piece, but length may vary ±10% from length shown.
 †† Common mode

Duobond® IV see technical information page 23.13.

 Not RoHS compliant at time of printing