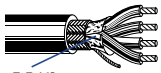
Overall Foil / Braid Shield

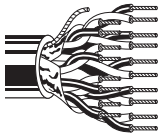
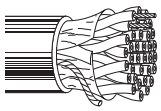
Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-423 Applications

Description	Part No.	UL NEC / C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
24 AWG • Stranded Conductors (7x32) 0.6 mm Tinned Copper • Overall **Beldfoil®** Shield + 65% Tinned Copper Braid • 24 AWG TC Drain Wire																	
Datalene® Insulation • Chrome PVC Jacket																	
30V 80°C UL AWM Style 2919		NEC: CM CEC: CM					0.61 mm 24 AWG (7x32) TC	0.053	1.35	Overall Beldfoil® + Overall 65% TC Braid + Drain Wire (24 AWG TC)			78%				
 Z-Fold®																	
9925	3 CDR		100 500 1000	31 152 305	3.5 12.1 24.0	1.6 5.5 10.9					0.215	5.46		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
9927	4 CDR		100 500 1000	31 152 305	3.5 14.6 32.0	1.6 6.6 14.5					0.230	5.84		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
9929	5 CDR		100 500 1000	31 152 305	4.0 16.1 35.9	1.8 7.3 16.3					0.246	6.25		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
9931	6 CDR		100 500 1000 10000	31 152 305 3048	4.2 17.6 39.0 410.3	1.9 8.0 17.7 186.1					0.265	6.73		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
9932	7 CDR		100 500 1000	31 152 305	4.4 18.5 41.0	2.0 8.4 18.6					0.265	6.73		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
9633	8 CDR		100 500 1000 10000	31 152 305 3048	4.9 21.2 46.1 480.4	2.2 9.6 20.9 217.9					0.280	7.11		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
9934	9 CDR		100 500 1000	31 152 305	5.3 22.0 48.1	2.4 10.0 21.8					0.300	7.62		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
9935	10 CDR		100 500 1000	31 152 305	5.7 28.0 53.1	2.6 12.7 24.1					0.306	7.77		CDR/CDR CDR/SCR	12 22	39 72	see chart 1 (Tech Info Section)
9636	15 CDR		100 500 1000	31 152 305	7.3 35.1 68.1	3.3 15.9 30.9					0.350	8.89		CDR/CDR CDR/SCR	12 22	39 72	see chart 2R (Tech Info Section)
9937	25 CDR		100 500 1000	31 152 305	9.9 54.7 108.0	4.5 24.8 49.0					0.445	11.30		CDR/CDR CDR/SCR	12 22	39 72	see chart 2R (Tech Info Section)
9938	37 CDR		100 500 1000	31 152 305	13.0 71.6 139.1	5.9 32.5 63.1					0.500	12.70		CDR/CDR CDR/SCR	12 22	39 72	see chart 2R (Tech Info Section)

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Overall Beldfoil® Shield

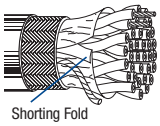
Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-422 Applications

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
24 AWG • Stranded (7x32) 0.6 mm Tinned Copper • Twisted Pair • Overall **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
30V 80°C UL AWM Style 2919		NEC: CM CEC: CM					0.61 mm 24 AWG (7x32) TC	0.054	1.37	Overall Beldfoil® + Drain Wire (24 AWG TC)			100	66%				see chart 5 (Tech Info Section)
																		
9680	3-Pair		500 1000	152 305	17.0 38.1	7.7 17.3					0.282	7.16			CDR/CDR CDR/SCR	15 28	51 90	
9681	4-Pair		500 1000	152 305	24.0 45.2	10.9 20.5					0.307	7.80			CDR/CDR CDR/SCR	15 28	51 90	
9682	6-Pair		500 1000	152 305	29.5 56.2	13.4 25.5					0.342	8.69			CDR/CDR CDR/SCR	15 28	51 90	
9683	9-Pair		500 1000	152 305	37.9 79.1	17.2 35.9					0.398	10.10			CDR/CDR CDR/SCR	15 28	51 90	
9684	12.5-Pair (12 pairs + 1 single)		500 1000	152 305	49.8 97.2	22.6 44.1					0.445	11.30			CDR/CDR CDR/SCR	15 28	51 90	
Datalene® Insulation • Chrome PVC Jacket																		
30V 80°C UL AWM Style 2919		NEC: CM CEC: CM					0.61 mm 24 AWG (7x32) TC	0.049	1.24	Overall Beldfoil® + Drain Wire (24 AWG TC)			100	78%				see chart 5 (Tech Info Section)
																		
1419A	2-Pair		500 1000 10000	152 305 3048	13.4 30.0 310.6	6.1 13.6 140.9					0.248	6.30			CDR/CDR CDR/SCR	13 22	43 72	
1420A	3-Pair		500 1000 10000	152 305 3048	15.0 34.2 340.6	6.8 15.5 154.5					0.261	6.63			CDR/CDR CDR/SCR	13 22	43 72	
1421A	4-Pair		500 1000	152 305	16.5 37.0	7.5 16.8					0.280	7.11			CDR/CDR CDR/SCR	13 22	43 72	
1422A	5-Pair		500 1000	152 305	23.1 43.0	10.5 19.5					0.294	7.47			CDR/CDR CDR/SCR	13 22	43 72	
1423A	6-Pair		500 1000 10000	152 305 3048	25.1 48.1 501.1	11.4 21.8 227.3					0.319	8.10			CDR/CDR CDR/SCR	13 22	43 72	
1424A	12.5-Pair (12 pairs + 1 single)		500 1000	152 305	43.0 85.1	19.5 36.6					0.418	10.62			CDR/CDR CDR/SCR	13 22	43 72	
1425A	15-Pair		500 1000	152 305	53.1 99.2	24.1 45.0					0.473	12.01			CDR/CDR CDR/SCR	13 22	43 72	

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Overall Foil / Braid Shield

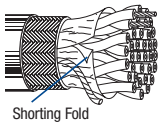
Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-485 Applications

Description	Part No.	UL NEC / C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
28 AWG • Stranded (7x36) 0.4 mm Tinned Copper • Twisted Pair • Overall **Beldfoil®** Shield + 65% TC Braid • 28 AWG TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
30V 80°C UL AWM Style 2919		NEC: CL2					0.38 mm 28 AWG (7x36) TC	0.044	1.12	Overall Beldfoil® + Overall 65% TC Braid + Drain Wire (28 AWG TC)			120	78%				see chart 5 (Tech Info Section)
 Shorting Fold																		
8132	2-Pair	100 500 1000	31 152 305	3.5 14.6 29.1	1.6 6.6 13.2					0.220	5.59			CDR/CDR CDR/SCR	11 20	36 66	
8133	3-Pair	100 500 1000	31 152 305	3.7 15.0 34.2	1.7 6.8 15.5					0.270	6.86			CDR/CDR CDR/SCR	11 20	36 66	
8134	4-Pair	100 500 1000	31 152 305	4.4 18.1 39.0	2.0 8.2 17.7					0.290	7.37			CDR/CDR CDR/SCR	11 20	36 66	
8135	5-Pair	100 1000	31 305	4.6 42.1	2.1 19.1					0.300	7.62			CDR/CDR CDR/SCR	11 20	36 66	
8138	8-Pair	100 500 1000	31 152 305	5.5 27.1 52.0	2.5 12.3 23.6					0.330	8.38			CDR/CDR CDR/SCR	11 20	36 66	
8142	12.5-Pair (12 pairs + 1 single)	100 500 1000	31 152 305	6.8 33.1 65.9	3.1 15.0 29.9					0.375	9.53			CDR/CDR CDR/SCR	11 20	36 66	
8148	18-Pair	100 500 1000	31 152 305	8.6 47.6 92.2	3.9 21.6 41.8					0.465	11.81			CDR/CDR CDR/SCR	11 20	36 66	
8155	25-Pair	100 500 1000	31 152 305	11.0 64.2 121.3	5.0 29.1 55.0					0.565	14.35			CDR/CDR CDR/SCR	11 20	36 66	

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Overall Foil / Braid Shield

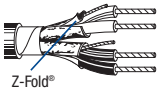
Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-422 Applications

Description	Part No.	UL NEC / C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
24 AWG • Stranded (7x32) 0.6 mm TC • Twisted Pair • Overall **Beldfoil®** Shield + 65% Tinned Copper Braid • 24 AWG TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
30V 80°C UL AWM Style 2919		NEC: CM CEC: CM					0.61 mm 24 AWG (7x32) TC	0.049	1.24	Overall Beldfoil® + Overall 65% TC Braid + Drain Wire (24 AWG TC)			100	78%				see chart 5 (Tech Info Section)
 Shorting Fold																		
8102	2-Pair		100 500 1000 10000	31 152 305 3048	4.2 17.0 38.1 380.7	1.9 7.7 17.3 172.7					0.270	6.86			CDR/CDR CDR/SCR	13 22	41 72	
8103	3-Pair		100 500 1000 10000	31 152 305 3048	4.6 19.6 42.1 431.0	2.1 8.9 19.1 195.5					0.283	7.19			CDR/CDR CDR/SCR	13 22	41 72	
8104	4-Pair		100 500 1000 10000	31 152 305 3048	5.1 20.9 46.1 491.0	2.3 9.5 20.9 222.7					0.302	7.67			CDR/CDR CDR/SCR	13 22	41 72	
8105	5-Pair		100 500 1000	31 152 305	5.7 28.0 53.1	2.6 12.7 24.1					0.316	8.03			CDR/CDR CDR/SCR	13 22	41 72	
8106	6-Pair		100 500 1000	31 152 305	6.4 30.6 58.2	2.9 13.9 26.4					0.341	8.66			CDR/CDR CDR/SCR	13 22	41 72	
8107	7-Pair		100 500 1000	31 152 305	6.8 33.1 63.1	3.1 15.0 28.6					0.341	8.66			CDR/CDR CDR/SCR	13 22	41 72	
8108	8-Pair		100 500 1000	31 152 305	7.7 37.7 72.3	3.5 17.1 32.8					0.370	9.40			CDR/CDR CDR/SCR	13 22	41 72	
8110	10-Pair		100 500 1000	31 152 305	8.2 45.6 90.2	3.7 20.7 40.9					0.427	10.85			CDR/CDR CDR/SCR	13 22	41 72	
8112	12.5-Pair (12 pairs + 1 single)		100 500 1000	31 152 305	9.3 51.4 101.2	4.2 23.3 45.9					0.440	11.18			CDR/CDR CDR/SCR	13 22	41 72	
8115	15-Pair		500 1000	152 305	63.7 116.2	28.9 52.7					0.495	12.57			CDR/CDR CDR/SCR	13 22	41 72	
8118	18-Pair		100 500 1000	31 152 305	13.2 70.5 144.4	6.0 32.0 65.5					0.537	13.64			CDR/CDR CDR/SCR	13 22	41 72	
8125	25-Pair		100 500 1000	31 152 305	20.7 98.1 191.4	9.4 44.5 86.8					0.632	16.05			CDR/CDR CDR/SCR	13 22	41 72	

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

Individually Shielded

Low-Capacitance 100 Ohm Computer Cables for EIA RS-422 and Digital Audio Applications

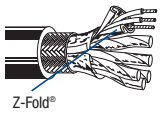
Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
24 AWG • Stranded (7x32) 0.6 mm TC • Twisted Pair • Each Pair Individually **Beldfoil®** Shielded • 24 AWG Tinned Copper Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
300V 60°C UL AWM Style 2493		NEC: CM CEC: CM					0.61 mm 24 AWG (7x32) TC	0.061	1.55	Individual Beldfoil® + Drain Wire (24 AWG TC)			100	76%				see chart 3 (Tech Info Section)
 Z-Fold®																		
9729	2-Pair		100	31	4.4	2.0					0.266	6.76			CDR/CDR	13	41	
			500	152	20.5	9.3									CDR/SCR	23	76	
			1000	305	39.0	17.7												
			† 10000	3048	392.0	177.8												
For Plenum version of 9729, see 89729 or 82729.																		
9730	3-Pair		100	31	5.1	2.3					0.334	8.48			CDR/CDR	13	41	
			500	152	24.5	11.1									CDR/SCR	23	76	
			1000	305	46.1	20.9												
			† 10000	3048	521.2	236.4												
For Plenum version of 9730, see 89730.																		
9728	4-Pair		100	31	6.0	2.7					0.363	9.22			CDR/CDR	13	41	
			500	152	29.1	13.2									CDR/SCR	23	76	
			1000	305	50.9	23.1												
For Plenum version of 9728, see 89728.																		
9731	6-Pair		100	31	7.5	3.4					0.421	10.69			CDR/CDR	13	41	
			500	152	42.1	19.1									CDR/SCR	23	76	
			1000	305	83.1	37.7												
For Plenum version of 9731, see 89731.																		
9732	9-Pair		100	31	9.9	4.5					0.488	12.40			CDR/CDR	13	41	
			500	152	57.3	26.0									CDR/SCR	23	76	
			1000	305	106.0	48.1												
For Plenum version of 9732, see 89732.																		
9733	11-Pair		500	152	75.2	34.1					0.575	14.61			CDR/CDR	13	41	
															CDR/SCR	23	76	
9734	12-Pair		500	152	79.6	36.1					0.575	14.61			CDR/CDR	13	41	
			1000	305	154.3	70.0									CDR/SCR	23	76	
9735	15-Pair		500	152	95.2	43.2					0.639	16.23			CDR/CDR	13	41	
			1000	305	185.4	84.1									CDR/SCR	23	76	
9736	17-Pair		500	152	103.6	47.0					0.671	17.04			CDR/CDR	13	41	
			1000	305	210.5	95.5									CDR/SCR	23	76	
9737	19-Pair		1000	305	231.5	105.0					0.671	17.04			CDR/CDR	13	41	
															CDR/SCR	23	76	
9738	27-Pair		1000	305	334.7	151.8					0.797	20.24			CDR/CDR	13	41	
															CDR/SCR	23	76	

TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors
† Spools are one piece, but length may vary ±10% from length shown.

Individually Shielded Pairs with Overall Foil/Braid Shield

Low-Capacitance Computer Cables for
EIA RS-232, EIA RS-422 and Digital Audio Applications

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
24 AWG • Stranded (7x32) 0.6 mm TC • Twisted Pair • Each Pair **Beldfoil®** Shielded • Overall **Beldfoil®** Shield + 65% TC Braid • 24 AWG TC DW																		
Datalene® Insulation • Chrome PVC Jacket																		
(60°C) VW-1 UL AWM Style 2493		NEC: CM CEC: CM					0.61 mm 24 AWG (7x32) TC	0.061	1.55	Individual Beldfoil® + Overall Beldfoil® + Overall 65% TC Braid + Drain Wire (24 AWG TC)			100	78%				see chart 3 (Tech Info Section)
8162	2-Pair		100 500 1000	31 152 305	6.2 30.0 57.1	2.8 13.6 25.9					0.343	8.71			CDR/CDR CDR/SCR	13 22	41 72	
8163	3-Pair		100 500 1000	31 152 305	7.1 34.2 66.1	3.2 15.5 30.0					0.359	9.12			CDR/CDR CDR/SCR	13 22	41 72	
8164	4-Pair		100 500 1000	31 152 305	8.2 39.7 79.1	3.7 18.0 35.9					0.388	9.86			CDR/CDR CDR/SCR	13 22	41 72	
8165	5-Pair		100 500 1000	31 152 305	9.0 45.2 89.3	4.1 20.5 40.5					0.413	10.49			CDR/CDR CDR/SCR	13 22	41 72	
8166	6-Pair		100 500 1000	31 152 305	9.0 50.0 99.2	4.1 22.7 45.0					0.446	11.33			CDR/CDR CDR/SCR	13 22	41 72	
8167	7-Pair		500 1000	152 305	52.7 103.0	23.9 46.7					0.446	11.33			CDR/CDR CDR/SCR	13 22	41 72	
8168	8-Pair		100 500 1000	31 152 305	10.8 61.7 115.3	4.9 28.0 52.3					0.479	12.17			CDR/CDR CDR/SCR	13 22	41 72	
8170	10-Pair		100 500 1000	31 152 305	18.1 83.1 164.2	8.2 37.7 74.5					0.584	14.83			CDR/CDR CDR/SCR	13 22	41 72	
8175	15-Pair		100 500 1000	31 152 305	22.7 107.8 210.5	10.3 48.9 95.5					0.665	16.89			CDR/CDR CDR/SCR	13 22	41 72	
8178	18-Pair		100 500 1000	31 152 305	24.7 117.3 238.5	11.2 53.2 108.2					0.686	17.42			CDR/CDR CDR/SCR	13 22	41 72	
8185	25-Pair		100 500 1000	31 152 305	32.4 160.9 356.7	14.7 73.0 161.8					0.822	20.88			CDR/CDR CDR/SCR	13 22	41 72	



TC = Tinned Copper • DW = Drain Wire • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors

IEEE 802.3, ISO/IEC 8802.3 10Base5

Transceiver Cables

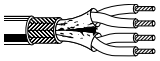
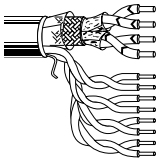
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
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	0.033	0.84	Individual Beldfoil® + Drain Wire (24 AWG TC) + Overall Duofoil® + 92% TC Braid	0.250	6.35	78*	66%	CDR/CDR	19.7 34.8	64.6 114.2	Grey/White, Yellow/Orange
							1-Pair: 0.61 mm 24 AWG (7x32) TC	0.044	1.12									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	1.96	Individual Beldfoil® + Drain Wire (22 AWG TC) + Overall Duofoil® + 95% TC Braid	0.415	10.54	78	78%	CDR/CDR	16.7 29.5	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	1.52	Individual Beldfoil® + Drain Wire (22 AWG TC) + Overall Duofoil® + 95% TC Braid	0.370	9.40	78	78%	CDR/CDR	16.7 29.5	54.8 96.8	Grey/White Yellow/Orange, Blue/Green, Black/Red
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	0.063	1.59	Individual Beldfoil® + Drain Wire (22 AWG TC) + Overall Duofoil® + 95% TC Braid	0.315	8.00	78*	78%	CDR/CDR	16.7 29.5	54.8 96.8	Black/White Yellow/Orange, Blue/Green, Black/Red
							1-Pair: 0.96 mm 20 AWG (7x28) TC	0.062	1.57									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 802.5, ISO/IEC 8802.5

IBM Cabling System
Types 2A and 6A

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. (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
IBM Type 6a • 26 AWG • Stranded (7x34) 0.5 mm Bare Copper • Twisted Pair • Individual **Beldfoil®** • 65% Overall Tinned Copper Braid																			
Datalene® Insulation • Striated Black PVC Jacket																			
IBM Part No. 1215A 4716743 33G2775	NEC: CL2, CM CEC: CM	† 998	304	46.1	20.9	0.48 mm 26 AWG (7x34) BC	0.078	1.98	Individual Beldfoil® + 65% TC Braid	0.325	8.26	150	–	8.5	27.9	4 16 100 300	1.0 2.0 5.7 9.8	3.3 6.6 18.7 32.3
																			
2-Pair		IBM qualified type 6A office cable for use in IBM cabling systems.																	
IBM Type 2a • 22 AWG • Solid 0.6 mm Bare Copper • Twisted Pair • Individual **Beldfoil®** • 65% Overall Tinned Copper Braid • Rip Cord																			
Flame-Retardant Foam Polyethylene Insulation • Black PVC Jacket																			
IBM Part No. 9689 4716739 33G2773	NEC: CMG CEC: CMG	† 1000 † 3600	305 1098	80.2 299.4	36.4 135.8	2-Pair* 0.64 mm 22 AWG Solid BC	0.099	2.51	Beldfoil® Each Pair + 65% TC Braid	0.324 x 0.466	8.32 x 11.84	150@ 1 MHz (data)	–	8.5 (data)	27.9 (data)	0.1k** 4 16 100 300	0.04 0.7 1.3 3.8 6.5	0.1 2.2 4.4 12.3 21.4
						4-Pair* 0.64 mm 22 AWG Solid BC	0.045	1.14				600@ 1 KHz (voice)				100 †† 300 †† 600 ††	4.1 7.1 10.0	13.4 23.3 32.9
		IBM qualified type 2A media cable for use in IBM cabling systems.																	

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance
† Spools are one piece, but length may vary ±10% from length shown.
†† Common mode
* (2) shielded Data-grade pair; (4) unshielded voice-grade media pair.
** Voice pairs (1 kHz); Data pairs (4-600 MHz)

Not RoHS compliant at time of printing

Industrial Data Solutions® – Industrial Twinax

Twinaxial Cables

INDUSTRIALTUFF™

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
22 AWG • Stranded (19x34) 0.8 mm Tinned Copper • **Duofoil®** • 22 AWG Tinned Copper Drain Wire																			
Datalene® Insulation • Black PVC Jacket																			
30V 60°C UL AWM Style 2668	**9182**	NEC: CL2X CMX CEC: CMX	U-500 500 1000	U-152 152 305	22.5 22.9 44.1	10.2 10.4 20.0	0.78 mm 22 AWG (19x34) TC	0.137	3.49	Overall Duofoil® + Drain Wire (22 AWG TC)	0.345	8.76	150	78%	8.8	28.9	1 10 50 100 200 400	0.4 1.2 2.7 4.3 6.2 8.8	1.3 3.9 8.9 14.1 20.3 28.9
																			
VW-1																			
		Color Code: Black, Yellow								Dual version: YR41609 CPE jacket optional.									
Datalene® Insulation • Black FRNC/LSNH Jacket																			
300V 80°C	**9182NH**	IEC 332-1 BS 7655	1000 1640 3280	305 500 1000	50.3 80.0 150.1	22.8 36.3 68.1	0.78 mm 22 AWG (19x34) TC	0.136	3.45	Overall Duofoil® + Drain Wire (22 AWG TC)	0.346	8.80	150	78%	8.8	28.9	1 5 10 20 50 100 200 400	0.4 0.9 1.2 1.7 2.7 4.3 6.2 8.8	1.3 2.8 3.9 5.6 8.9 14.1 20.3 28.9
																			
		Color Code: Black, Yellow																	
Plenum • Foam FEP Teflon® Insulation • Black FEP Teflon® Jacket																			
	89182	NEC: CMP CL2P CEC: CMP FT6	100 † 500 † 1000	31 152 305	6.4 28.0 53.1	2.9 12.7 24.1	0.78 mm 22 AWG (19x34) TC	0.139	3.53	Overall Duofoil® + Drain Wire (22 AWG TC)	0.307	7.80	150	78%	8.8	28.9	1 10 50 100 200 400	0.4 1.2 2.7 4.3 6.2 8.8	1.3 3.9 8.9 14.1 20.3 28.9
																			
		Color Code: Black, Yellow																	

TC = Tinned Copper • DCR = DC resistance
† Spools are one piece, but length may vary ±10% from length shown.

Duofoil® see technical information page 23.13.

Teflon® is a DuPont trademark.

Industrial Data Solutions® – Industrial Data

CC-Link Cables

INDUSTRIALTUFF™

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
20 AWG • Stranded (7x28) 1.0 mm Bare Copper • **Beldfoil®** • 78% Tinned Copper Braid • 22 AWG Tinned Copper Drain Wire																			
Foam HDPE Insulation • Red PVC Jacket																			
60°C	**1348A**	NEC: CM CEC: CM	1000 2000	305 610	57.1 114.2	25.9 51.8	0.96 mm 20 AWG (7x28) BC	0.094	2.39	Overall Beldfoil® + Overall 78% TC Braid + Drain Wire (22 AWG TC)	0.303	7.70	110	75%	18.3	60.0	1 5	0.5 1.1	1.6 3.5
																			
3 CDR			Color Code: Blue, White, Yellow																

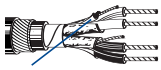
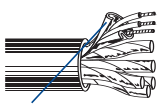
Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Color Code	Nominal OD inch	Nominal OD mm	Component	Description	Shielding Material & Nom. DCR	Insulation Material & Colors	Component Jacket Material & Colors	Insulation OD inch	Insulation OD mm
Power Limited Tray Cable • 16 AWG and 22 AWG • Stranded Tinned Copper • Overall **Beldfoil®** • 22 AWG Tinned Copper Drain Wire																
PVC Insulation (Power) • Foam HDPE Insulation (Data) • Red UV Resistant PVC Jacket																
105°C	**1349A**	NEC: PLTC CM CEC: CM	1000	305	126.1	57.2	White, Black	0.512	13.00	Power	2-Conductor 18 AWG 1.22 mm (7x26) TC	Unshielded	PVC	–	0.091	2.31
							Blue, White and Yellow			Data	3-Conductor 20 AWG 0.96 mm (7x28) TC VOP: 76% 110 Ohm	Beldfoil® 78% TC + Drain Wire	HDPE	PVC	0.098	2.49

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

Industrial Data Solutions® – Interconnect Cables

Shielded Twisted Pair Cables

INDUSTRIALTUFF™

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Color Code
24 AWG • Stranded (7x32) 0.6 mm Tinned Copper • Twisted Pair • **Beldfoil®** • 24 AWG Tinned Copper Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
300V 60°C UL AWM Style 2493	**9729**	NEC: CM CEC: CM	100 500 1000 10000	31 152 305 3049	4.4 20.5 39.0 390.4	2.0 9.3 17.7 177.1	0.61 mm 24 AWG (7x32) TC	0.061	1.55	Individual Beldfoil® + Drain Wire (24 AWG TC)	0.266	6.76	100	76%	CDR/CDR CDR/SCR	12.5 23.2	41.0 76.1	Red, Black White, Black
 Z-Fold®																		
2-Pair																		
Datalene® Insulation • Black FRNC/LSNH Jacket • Color Coded Foils (Red, Green)																		
300V 80°C	**9729NH**	IEC 332-3C BS 7655	1000 1640 3280	305 500 1000	44.1 74.5 137.3	20.0 33.8 62.3	0.61 mm 24 AWG (7x32) TC	0.061	1.55	Individual Beldfoil® + Drain Wire (24 AWG TC)	0.335	8.50	100	76%	CDR/CDR CDR/SCR	12.5 23.2	41.0 76.1	Red, Black White, Black
 Z-Fold®																		
2-Pair																		
Datalene® Insulation • Chrome FRNC/LSNH Inner Jacket • Steel Wire Armor • Black Sunlight-Resistant FRNC/LSNH Jacket • Color Coded Foils (Red, Green)																		
300V 80°C	**9729LS**	IEC 332-3C BS 7655	1640 3280	500 1000	347.2 672.4	157.5 305.0	0.61 mm 24 AWG (7x32) TC	0.061	1.55	Individual Beldfoil® + Drain Wire (24 AWG TC)	*0.335 **0.512	*8.50 **13.00	100	76%	CDR/CDR CDR/SCR	12.5 23.2	41.0 76.1	Red, Black White, Black
 Z-Fold®																		
2-Pair																		
* Under Armor ** Over Armor																		
22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Twisted Pair • **Beldfoil®** • 22 AWG Tinned Copper Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket																		
30V 80°C UL AWM Style 2919	**8777**	NEC: CM CEC: CM	100 250 U-500 500 U-1000 1000 1640 3280 5000 10000	31 76 U-152 152 U-305 305 500 1000 1524 3049	4.6 11.0 20.9 20.9 41.0 42.1 67.2 137.8 210.1 450.4	2.1 5.0 9.5 9.5 18.6 19.1 30.5 62.5 95.3 204.3	0.76 mm 22 AWG (7x30) TC	0.050	1.27	Individual Beldfoil® + Drain Wire (22 AWG TC)	0.273	6.93	50	66%	CDR/CDR CDR/SCR	30.0 55.0	98.0 180.0	Red, Black White, Black Green, Black
 Z-Fold®																		
For Plenum version of 8777, see 88777, 87777 or 82777.																		
3-Pair																		
Polypropylene Insulation • Chrome FRNC/LSNH Jacket • Color Coded Foils (Red, Green, Blue)																		
300V 80°C	**8777NH**	IEC 332-3C BS 7655	1000 1640 3280	305 500 1000	50.7 78.5 151.5	23.0 35.6 68.7	0.76 mm 22 AWG (7x30) TC	0.050	1.27	Individual Beldfoil® + Drain Wire (22 AWG TC)	0.276	7.00	50	66%	CDR/CDR CDR/SCR	30.0 55.0	98.4 180.4	Red, Black White, Black Green, Black
 Z-Fold®																		
3-Pair																		

TC = Tinned Copper • DCR = DC resistance

AES/EBU Digital Audio Cables

Single- and Double-Pair Cables
Audio-Connect

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 ft.	Nominal Attenuation dB/ 100 m

26 AWG • Stranded (7x34) 0.5 mm Tinned Copper • Twisted Pair • **Beldfoil®** • 26 AWG Tinned Copper Drain Wire

Datalene® Insulation • PVC Jacket (Chrome or Violet)

300V RMS 75°C	**9180**	NEC: CMG CEC: CMG FT4	1000	305	10.0	4.5	0.48 mm 26 AWG (7x34) TC	0.049	1.24	Overall Beldfoil® + Drain Wire (26 AWG TC)	0.144	3.66	110	76%	13.0	42.6	2.0 4.1 5.6 11.3 12.3 24.6	1.7 2.1 2.4 3.1 3.2 4.2	5.5 7.0 7.9 10.1 10.4 13.8

Shorting Fold

0.14 mm²
Digital Video Time Code

Color Code: Black, White
Pulling Tension: 46 N

24 AWG • Stranded (7x32) 0.6 mm Tinned Copper • Twisted Pair • Overall **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire

Datalene® Insulation • PVC Jacket (Grey or Violet)

300V RMS 60°C	**1800B**	NEC: CMG CEC: CMG FT4	500 U-1000 1000 5000	152 U-305 305 1524	8.0 17.0 16.0 90.0	3.6 7.7 7.3 40.8	0.61 mm 24 AWG (7x32) TC	0.068	1.73	Overall Beldfoil® + Drain Wire (24 AWG TC)	0.177	4.50	110	76%	12.0	39.3	2.0 4.1 5.6 11.3 12.3 24.6	1.3 1.6 1.8 2.2 2.3 3.1	4.3 5.2 5.8 7.3 7.5 10.1

0.22 mm²

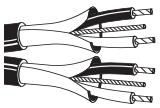
152 m put-up available in Grey only.
1524 m put-up available in Violet only.
Color Code: Red, Black

The jacket and shield are bonded so both can be removed with automatic stripping equipment.
Pulling Tension: 73 N

24 AWG • Stranded (7x32) 0.6 mm Tinned Copper • Dual Twisted Pairs • Individual **Beldfoil®** Shield • 24 AWG Tinned Copper Drain Wire

Datalene® Insulation • PVC Jacket (Grey or Violet)

300V RMS 60°C	**1802B**	NEC: CMG CEC: CMG FT4	500 U-1000 1000	152 U-305 305	16.5 35.0 37.0	7.5 15.9 16.8	0.61 mm 24 AWG (7x32) TC	0.068	1.73	Individual Beldfoil® + Drain Wire (24 AWG TC)	0.180 x 0.360	4.57 x 9.14	110	76%	12.0	39.3	2.0 4.1 5.6 11.3 12.3 24.6	1.3 1.6 1.8 2.2 2.3 3.1	4.3 5.2 5.8 7.3 7.5 10.1



0.22 mm²

Color Code: Red, Black

The jacket and shield are bonded so both can be removed with automatic stripping equipment.
Pulling Tension: 73 N

24 AWG • Stranded (41x40) 0.6 mm High-Conductivity (Oxygen-Free) Bare Copper • Twisted Pair with Fillers • Conductors Cabled with Fillers • 95% Tinned Copper **French Braid®** • 26 AWG Bare Copper Drain Wire

Datalene® Insulation • Matte PVC Jacket (Red, Yellow, Green, Blue, Grey and Black)

300V RMS 60°C	**1800F**	NEC: CL2R	500 U-1000 1000	152 U-305 305	12.0 26.0 24.0	5.4 11.8 10.9	0.58 mm 24 AWG (41x40) BC	0.058	1.47	Overall French Braid® 95% TC + Drain Wire (26 AWG BC)	0.211	5.36	110	76%	12.0	39.3	2.0 4.1 5.6 11.3 12.3 24.6	1.3 2.2 2.9 4.5 4.8 7.1	4.3 7.3 9.5 14.9 15.7 23.3

French Braid

0.22 mm²

152 m and 305 m put-ups available in Black only.
Color Code: Red, Black

Pulling Tension: 184 N

22 AWG • Stranded (7x30) 0.8 mm TC • Twisted Pair with Fillers • Overall **Beldfoil®** Shield (Unbonded) • 90% TC **French Braid®** • 24 AWG Tinned Copper Drain Wire

Datalene® Insulation • Black High-Flex Matte PVC Jacket

300V RMS 60°C	**1696A**		250 500 U-1000 1000	76 152 U-305 305	8.0 14.5 30.0 32.0	3.6 6.6 13.6 14.5	0.76 mm 22 AWG (7x30) TC	0.082	2.08	Overall French Braid® 90% TC + Drain Wire (24 AWG TC)	0.234	5.94	110	76%	13.0	42.6	2.0 4.1 5.6 11.3 12.3 24.6	0.9 1.1 1.3 1.7 1.8 2.4	2.9 3.6 4.3 5.7 5.8 7.9

Z-Fold®

0.34 mm²

Color Code: Light Blue, White
Pulling Tension: 249 N

TC = Tinned Copper • BC = Bare Copper • DCR = DC resistance

AES/EBU Digital Multi-Pair Snake Cables

Beldfoil® High-Performance Cable, Low-Capacitance Individually Shielded and Jacketed Pairs

BRILLIANCE®

26 AWG • Stranded (7x34) 0.5 mm High-Conductivity (Oxygen-Free) TC • Each Pair **Beldfoil®** Shielded • 26 AWG Tinned Copper Drain Wire • Numbered and Color Coded PVC Jackets • Overall **Beldfoil®** Shield • Rip Cord

Datalene® Insulation • Overall Matte Black PVC Jacket with 26 AWG Tinned Copper Drain Wire

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
300V RMS 80°C		NEC: CMG CEC: CMG FT4					0.48 mm 26 AWG (7x34) TC	0.054	1.37	Individual Beldfoil® + Drain Wire (26 AWG TC) + Overall Beldfoil®			110	76%	13.0	42.7	2.0 4.0 5.0 6.0 12.0 25.0	1.7 2.1 2.3 2.5 3.2 4.2	5.5 6.9 7.5 8.1 10.4 13.8
								Jacketed Pairs O.D.: 0.136	3.45										
Rip Cord 0.14 mm²	**7891A**	2-Pair	500 1000	152 305	28.0 56.0	12.7 25.4					0.343	8.71						Pulling Tension: 107 N	
	7890A	4-Pair	100 250 500 1000	31 76 152 305	8.2 18.0 31.0 61.0	3.7 8.2 14.1 27.7					0.399	10.13						200 N	
	7880A (Fits D-Sub connectors)	8-Pair	† 250 500 1000	76 152 305	28.0 57.0 142.0	12.7 25.9 64.4					0.541	13.74						374 N	
	7892A	12-Pair	500 1000	152 305	85.0 174.0	38.6 78.9					0.679	17.25						574 N	
	7893A	16-Pair	500 1000	152 305	109.5 240.0	49.7 108.9					0.770	19.56						761 N	
	Color Code: Red, Black																		

Fire Resistant, Installation Cable, FRNC/LSNH IEC 332-3C Individually Shielded and Jacketed Pairs

Description	Part No.	UL NEC/C(UL)CEC Type IEC	Standard Lengths ft.	Standard Lengths m	Standard Unit Weight lbs.	Standard Unit Weight kg	Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD inch	Nominal Insulation OD mm	Shielding Material Nom. DCR	Nominal OD inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/100 ft.	Nominal Attenuation dB/100 m
100V RMS 70°C		IEC 332-3C					0.5 mm 26 AWG (18x0.1) TC	0.044	1.13	Individual Spiral Serve > 90% TC Braid + Overall Braid	0.488	12.39	110	60%	17.4	57.0	0.1 1.0 4.0 10.0	0.3 0.7 1.9 3.7	0.9 2.2 6.3 12.0
								Jacketed Pairs O.D.: 0.114	2.90										
0.14 mm²	**YE00193**	1-Pair	1640	500	13.4	6.1					0.114	2.90					Burning Energy: –	Pulling Tension: –	
	BE46959	1-Pair	1640	500	24.3	11.0					0.154	3.90					283 kJ/m	85 N	
	BE46923	2-Pair	1640	500	102.1	46.3					0.331	8.40					913 kJ/m	150 N	
	BE46925	4-Pair	1640	500	134.5	61.0					0.374	9.50					1271 kJ/m	250 N	
	BE46935	8-Pair	1640	500	245.6	111.4					0.492	12.50					2023 kJ/m	400 N	
	BE46936	10-Pair	1640	500	278.0	126.1					0.524	13.30					2325 kJ/m	500 N	
	BE46937	12-Pair	1640	500	301.6	136.8					0.559	14.20					2644 kJ/m	600 N	
	BE46938	16-Pair	1640	500	392.9	178.2					0.630	16.00					3292 kJ/m	750 N	
	Color Code: White, Blue																		

Polyethylene Insulation • Overall Grey FRNC/LSNH Jacket with 26 AWG Tinned Copper Drain Wire

26 AWG • Stranded (18x0.1) 0.5 mm TC • Each Pair Individually **Tinned Copper Spiral Braid** • Numbered FRNC/LSNH Jackets • **Overall > 90% Tinned Copper Braid**

TC = Tinned Copper • DCR = DC resistance
† 7880A is designed to fit in 25-pin D-sub connectors used in digital console board equipment.