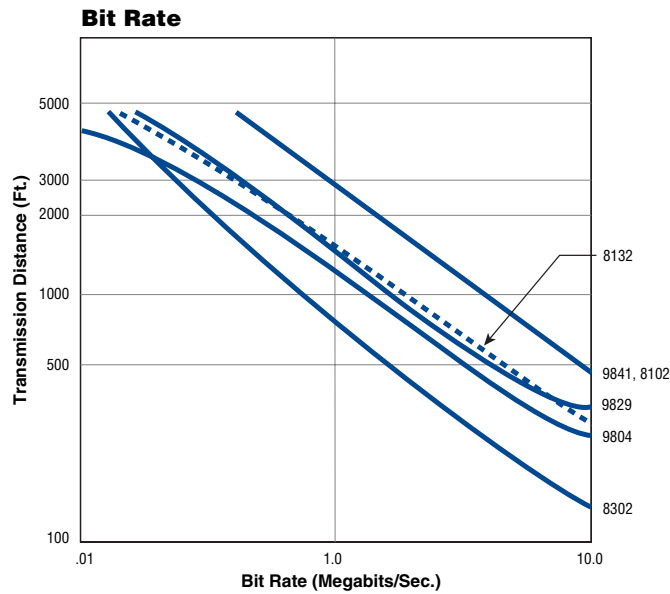
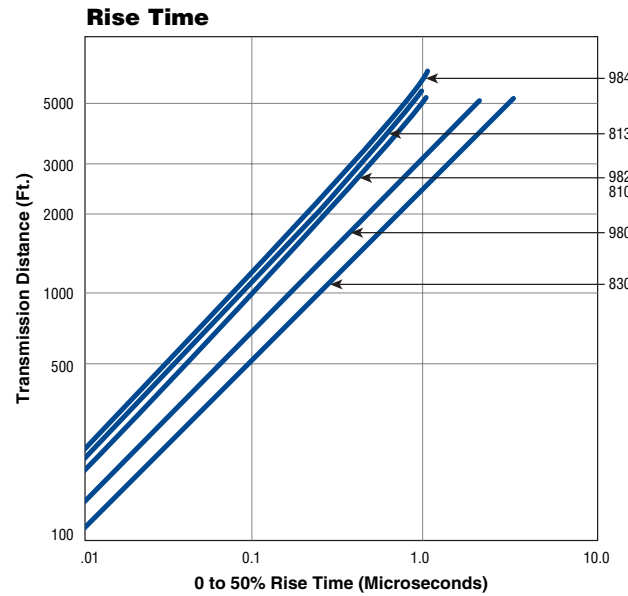
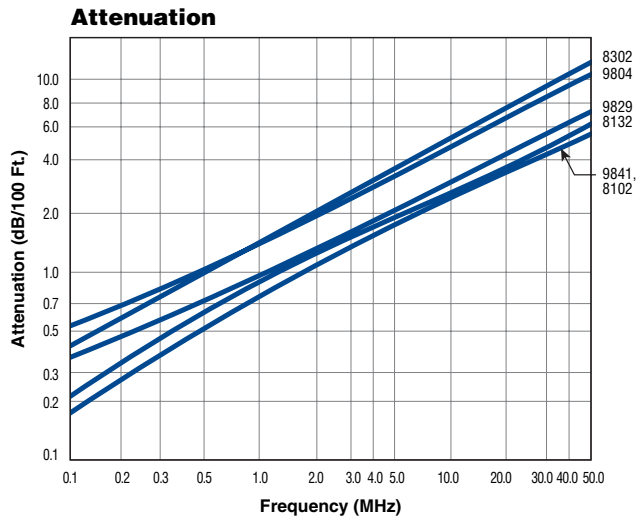


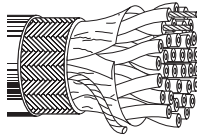
Overall Foil/Braid Shield

Cable Characteristics



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	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
28 AWG Stranded (7x36) TC Conductors • Overall Beldfoil® (100% Coverage) + TC Braid Shield (90% Coverage) • 28 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket																		
	UL AWM Style 2960 (30V 60°C)	9804	NEC: CL2	2	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	3.9 14.5 32.0	1.8 6.6 14.5	64.9Ω/M' 212.9Ω/km	4.9Ω/M' 16.1Ω/km	.214 5.44	100	66%	15.5	50.9	27.5	90.2
		9805	NEC: CL2	3	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.2 15.5 35.0	1.9 7.0 15.9	64.9Ω/M' 212.9Ω/km	4.2Ω/M' 13.8Ω/km	.222 5.64	100	66%	15.5	50.9	27.5	90.2
		9806	NEC: CL2	4	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.3 17.5 39.0	2.0 7.9 17.7	64.9Ω/M' 212.9Ω/km	4.0Ω/M' 13.1Ω/km	.237 6.02	100	66%	15.5	50.9	27.5	90.2
		9807	NEC: CL2	5	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.3 18.0 39.0	2.0 8.2 17.7	64.9Ω/M' 212.9Ω/km	4.2Ω/M' 13.8Ω/km	.240 6.10	100	66%	15.5	50.9	27.5	90.2
		9808	NEC: CL2	7	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.9 20.5 44.0	2.2 9.3 20.0	64.9Ω/M' 212.9Ω/km	3.7Ω/M' 12.1Ω/km	.256 6.50	100	66%	15.5	50.9	27.5	90.2
		9809	NEC: CL2	9	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.7 25.0 53.0	2.6 11.3 24.1	64.9Ω/M' 212.9Ω/km	3.1Ω/M' 10.2Ω/km	.290 7.37	100	66%	15.5	50.9	27.5	90.2
		9812	NEC: CL2	12	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.7 31.0 62.0	3.0 14.1 28.2	64.9Ω/M' 212.9Ω/km	2.8Ω/M' 9.2Ω/km	.319 8.10	100	66%	15.5	50.9	27.5	90.2
		9813	NEC: CL2	13	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.0 34.0 66.0	3.2 15.5 30.0	64.9Ω/M' 212.9Ω/km	2.2Ω/M' 7.2Ω/km	.336 8.53	100	66%	15.5	50.9	27.5	90.2
		9819	NEC: CL2	18	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.3 41.0 82.0	3.8 18.6 37.3	64.9Ω/M' 212.9Ω/km	2.0Ω/M' 6.7Ω/km	.365 9.27	100	66%	15.5	50.9	27.5	90.2
		9825	NEC: CL2	25	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	9.9 54.5 108.0	4.5 24.8 49.1	64.9Ω/M' 212.9Ω/km	1.9Ω/M' 6.2Ω/km	.429 10.90	100	66%	15.5	50.9	27.5	90.2
	9814	NEC: CL2	31	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	11.8 64.0 127.0	5.4 29.1 57.7	64.9Ω/M' 212.9Ω/km	2.1Ω/M' 6.9Ω/km	.462 11.73	100	66%	15.5	50.9	27.5	90.2	

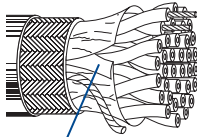
DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

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	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
28 AWG Stranded (7x36) TC Conductors • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage) • 28 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
 <p>Shorting Fold</p>	UL AWM Style 2919 (30V 80°C)	8132	NEC: CL2	2	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	3.6 14.5 29.0	1.6 6.6 13.2	65.0Ω/M' 213.0Ω/km	5.1Ω/M' 16.6Ω/km	.220 5.59	120	78%	11.0	36.1	20.0	65.6
	8133	NEC: CL2	3	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	3.8 15.0 34.0	1.7 6.8 15.5	65.0Ω/M' 213.0Ω/km	5.2Ω/M' 17.1Ω/km	.270 6.86	120	78%	11.0	36.1	20.0	65.6	
	8134	NEC: CL2	4	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.3 18.0 39.0	2.0 8.2 17.7	65.0Ω/M' 213.0Ω/km	4.4Ω/M' 14.3Ω/km	.290 7.37	120	78%	11.0	36.1	20.0	65.6	
	8135	NEC: CL2	5	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.6 42.0 19.1	2.1 19.1 23.6	65.0Ω/M' 213.0Ω/km	4.2Ω/M' 13.8Ω/km	.300 7.62	120	78%	11.0	36.1	20.0	65.6	
	8138	NEC: CL2	8	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.6 27.0 52.0	2.5 12.3 23.6	65.0Ω/M' 213.0Ω/km	3.7Ω/M' 12.3Ω/km	.330 8.38	120	78%	11.0	36.1	20.0	65.6	
	8142	NEC: CL2	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.8 33.0 66.0	3.1 15.0 29.9	65.0Ω/M' 213.0Ω/km	3.1Ω/M' 10.1Ω/km	.375 9.53	120	78%	11.0	36.1	20.0	65.6	
	8148	NEC: CL2	18	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.5 47.5 92.0	3.9 21.6 41.8	65.0Ω/M' 213.0Ω/km	2.6Ω/M' 8.4Ω/km	.465 11.81	120	78%	11.0	36.1	20.0	65.6	
	8155	NEC: CL2	25	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	11.1 64.0 121.0	5.0 29.1 55.0	65.0Ω/M' 213.0Ω/km	2.3Ω/M' 7.6Ω/km	.565 14.35	120	78%	11.0	36.1	20.0	65.6	

DCR = DC Resistance • TC = Tinned Copper








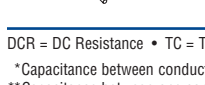
*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-485 Applications
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance					
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m		
24 AWG Stranded (7x32) TC Conductors • Overall Beldfoil® (100% Coverage) + TC Braid Shield (90% Coverage) • 24 AWG Stranded TC Drain Wire																				
Polyethylene Insulation • Chrome PVC Jacket																				
UL AWM Style 2919 (30V 80°C) DMX 512 	9841	NEC:	1	See	100	30.5	4.3	2.0	24.0Ω/M'	3.4Ω/M'	.232	5.89	120	66%	12.8	42.0	23.0	75.5		
		CM		Chart 5	500	152.4	20.0	9.1	78.7Ω/km	11.0Ω/km	For Plenum versions of 9841, see 82841 or 89841.									
		CEC:		(Tech Info Section)	1000	304.8	40.0	18.2												
		CM																		
	9842	NEC:	2	See	100	30.5	5.8	2.6	24.0Ω/M'	2.2Ω/M'	.340	8.64	120	66%	12.8	42.0	23.0	75.5		
		CM		Chart 5	500	152.4	29.5	13.4	78.7Ω/km	7.2Ω/km	For Plenum versions of 9842, see 82842.									
		CEC:		(Tech Info Section)	1000	304.8	57.0	25.9												
		CM																		
	9843	NEC:	3	See	100	30.5	7.1	3.2	24.0Ω/M'	2.3Ω/M'	.360	9.14	120	66%	12.8	42.0	23.0	75.5		
		CM		Chart 5	500	152.4	34.5	15.7	78.7Ω/km	7.7Ω/km										
		CEC:		(Tech Info Section)	1000	304.8	67.0	30.5												
		CM																		
	9844	NEC:	4	See	500	152.4	43.0	19.5	24.0Ω/M'	2.1Ω/M'	.390	9.91	120	66%	12.8	42.0	23.0	75.5		
		CM		Chart 5	1000	304.8	83.0	37.7	78.7Ω/km	6.9Ω/km										
		CEC:		(Tech Info Section)																
		CM																		
Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket																				
300V RMS 	82841	NEC:	1	See	500	152.4	13.0	6.0	24.0Ω/M'	3.1Ω/M'	.204	5.18	120	76%	12	39.4	22	72.2		
		CMP		Chart 5	1000	304.8	26.0	11.8	78.7Ω/km	10.2Ω/km										
300V RMS 	82842	NEC:	2	See	500	152.4	19.0	8.6	24.0Ω/M'	2.4Ω/M'	.273	6.93	120	76%	12	39.4	22	72.2		
		CMP		Chart 5	1000	304.8	42.0	19.1	78.7Ω/km	7.9Ω/km										
300V RMS 	89841	NEC:	1	See	500	152.4	13.5	6.1	24.0Ω/M'	3.1Ω/M'	.202	5.13	120	76%	12	39.4	22	72.2		
		CMP		Chart 5	1000	304.8	27.0	12.3	78.7Ω/km	10.2Ω/km										
300V RMS 	89842 <small>new</small>	NEC:	2	See	500	152.4	25.5	11.6	24.0Ω/M'	3.1Ω/M'	.305	7.75	120	76%	12	39.4	22	72.2		
		CMP		Chart 5	1000	304.8	49.0	22.2	78.7Ω/km	10.2Ω/km										

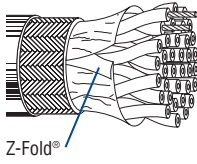
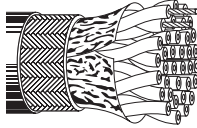
DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage)																		
Semi-rigid PVC Insulation • Chrome PVC Jacket																		
UL AWM Style 2464 (300V 80°C) CSA AWM I A  Z-Fold®	8332	NEC:	2	See	100	30.5	4.1	1.9	24.0Ω/M'	5.4Ω/M'	.250	6.35	75	60%	30	98	50	164
		CMG		Chart 5	500	152.4	16.5	7.5	78.7Ω/km	17.7Ω/km								
	CEC:	(Tech Info	1000	304.8	37.0	16.8												
	CMG FT4	Section)																
	8333	NEC:	3	See	100	30.5	4.8	2.2	24.0Ω/M'	6.6Ω/M'	.265	6.73	75	60%	30	98	50	164
		CMG		Chart 5	500	152.4	20.5	9.3	78.7Ω/km	21.7Ω/km								
	CEC:	(Tech Info	1000	304.8	44.0	20.1												
	CMG FT4	Section)																
	8334	NEC:	4	See	100	30.5	5.3	2.4	24.0Ω/M'	4.5Ω/M'	.288	7.32	75	60%	30	98	50	164
		CMG		Chart 5	500	152.4	22.5	10.2	78.7Ω/km	14.8Ω/km								
CEC:	(Tech Info	1000	304.8	49.0	22.3													
CMG FT4	Section)																	
8335	NEC:	5	See	100	30.5	6.0	2.7	24.0Ω/M'	4.6Ω/M'	.295	7.49	75	60%	30	98	50	164	
	CMG		Chart 5	500	152.4	29.5	13.4	78.7Ω/km	15.1Ω/km									
CEC:	(Tech Info	1000	304.8	57.0	25.9													
CMG FT4	Section)																	
8336	NEC:	6	See	100	30.5	6.5	3.0	24.0Ω/M'	4.7Ω/M'	.310	7.87	75	60%	30	98	50	164	
	CMG		Chart 5	500	152.4	31.5	14.3	78.7Ω/km	15.4Ω/km									
CEC:	(Tech Info	1000	304.8	62.0	28.2													
CMG FT4	Section)																	
8337	NEC:	7	See	100	30.5	6.8	3.1	24.0Ω/M'	4.7Ω/M'	.321	8.15	75	60%	30	98	50	164	
	CMG		Chart 5	500	152.4	33.0	14.9	78.7Ω/km	15.4Ω/km									
CEC:	(Tech Info	1000	304.8	65.0	29.5													
CMG FT4	Section)																	
8340	NEC:	10	See	100	30.5	9.1	4.1	24.0Ω/M'	3.5Ω/M'	.385	9.78	75	60%	30	98	50	164	
	CMG		Chart 5	500	152.4	43.5	19.7	78.7Ω/km	11.5Ω/km									
CEC:	(Tech Info	1000	304.8	90.0	40.9													
CMG FT4	Section)																	
8342	NEC:	12.5 (12 pairs + 1 single)	See	100	30.5	11.0	5.0	24.0Ω/M'	3.6Ω/M'	.405	10.29	75	60%	30	98	50	164	
	CMG		Chart 5	500	152.4	55.0	25.0	78.7Ω/km	11.8Ω/km									
CEC:	(Tech Info	1000	304.8	109.0	49.5													
CMG FT4	Section)																	
8345	NEC:	15	See	500	152.4	61.5	28.0	24.0Ω/M'	3.2Ω/M'	.445	11.30	75	60%	30	98	50	164	
	CMG		Chart 5	1000	304.8	123.0	55.9	78.7Ω/km	10.5Ω/km									
CEC:	(Tech Info																	
CMG FT4	Section)																	
UL AWM Style 2464 (300V 80°C) 	8348	NEC:	18	See	100	30.5	14.2	6.4	24.0Ω/M'	2.7Ω/M'	.480	12.19	75	60%	30	98	50	164
		CMG		Chart 5	500	152.4	78.5	35.8	78.7Ω/km	8.9Ω/km								
CEC:	(Tech Info	1000	304.8	152.0	69.3													
CMG FT4	Section)																	
8355	NEC:	25	See	500	152.4	96.5	43.9	24.0Ω/M'	2.5Ω/M'	.550	13.97	75	60%	30	98	50	164	
	CMG		Chart 5	1000	304.8	195.0	88.6	78.7Ω/km	8.2Ω/km									
CEC:	(Tech Info																	
CMG FT4	Section)																	

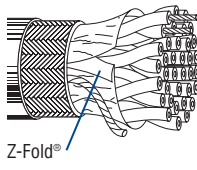
DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

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	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage) • TC Drain Wire†																		
Polyethylene Insulation • Chrome PVC Jacket																		
 <p>UL AWM Style 2919 (30V 80°C)</p>	9829	NEC: CM CEC: CM	2	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.7 22.0 43.0	2.1 10.0 19.5	24.0Ω/M' 78.7Ω/km	4.4Ω/M' 14.4Ω/km	.291 7.39	100	66%	15.5	50.9	27.5	90.2	
	9830	NEC: CM CEC: CM	3	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	26.5 53.0	12.0 24.1	24.0Ω/M' 78.7Ω/km	4.4Ω/M' 14.4Ω/km	.305 7.74	100	66%	15.5	50.9	27.5	90.2	
	9831	NEC: CM CEC: CM	4	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.2 30.0 58.0	2.8 13.6 26.4	24.0Ω/M' 78.7Ω/km	3.9Ω/M' 12.8Ω/km	.330 8.38	100	66%	15.5	50.9	27.5	90.2	
	9832	NEC: CM CEC: CM	5	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.6 32.5 65.0	3.0 14.8 29.5	24.0Ω/M' 78.7Ω/km	3.9Ω/M' 12.8Ω/km	.338 8.59	100	66%	15.5	50.9	27.5	90.2	
	9839	NEC: CM CEC: CM	6	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	35.5 69.0	16.1 31.4	24.0Ω/M' 78.7Ω/km	2.1Ω/M' 6.9Ω/km	.364 9.25	100	66%	15.5	50.9	27.5	90.2	
	9833	NEC: CM CEC: CM	7	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	38.5 77.0	17.5 35.0	24.0Ω/M' 78.7Ω/km	3.7Ω/M' 12.1Ω/km	.370 9.40	100	66%	15.5	50.9	27.5	90.2	
	9834	NEC: CM CEC: CM	9	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	47.0 93.0	21.4 42.3	24.0Ω/M' 78.7Ω/km	3.0Ω/M' 9.8Ω/km	.419 10.64	100	66%	15.5	50.9	27.5	90.2	
	9835	NEC: CM CEC: CM	10	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	51.5 102.0	23.4 46.4	24.0Ω/M' 78.7Ω/km	2.8Ω/M' 9.2Ω/km	.451 11.46	100	66%	15.5	50.9	27.5	90.2	
	9836	NEC: CM CEC: CM	12	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	10.4 57.0 114.0	4.7 25.9 51.8	24.0Ω/M' 78.7Ω/km	2.8Ω/M' 9.2Ω/km	.464 11.79	100	66%	15.5	50.9	27.5	90.2	
	9837	NEC: CM CEC: CM	18	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	87.5 174.0	39.8 79.1	24.0Ω/M' 78.7Ω/km	2.0Ω/M' 6.6Ω/km	.567 14.40	100	66%	15.5	50.9	27.5	90.2	
9838	NEC: CM CEC: CM	25	See Chart 5 (Tech Info Section)	500	152.4	113.0	51.4	24.0Ω/M' 78.7Ω/km	1.9Ω/M' 6.2Ω/km	.670 17.02	100	66%	15.5	50.9	27.5	90.2		

†24 AWG stranded TC drain wire.

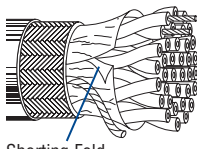
DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

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	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage) • Drain Wire†																		
Datalene® Insulation • Chrome PVC Jacket																		
 <p>UL AWM Style 2919 (30V 80°C)</p> <p>Shorting Fold</p>	8102	NEC: CM CEC: CM	2	See Chart 5 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	4.1 17.0 38.0 380.0	1.9 7.7 17.3 172.7	24.0Ω/M' 78.7Ω/km	4.6Ω/M' 15.1Ω/km	.270 6.86	100	78%	12.5	41	22	72.2	
	8103	NEC: CM CEC: CM	3	See Chart 5 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	4.6 19.5 42.0 430.0	2.1 8.9 19.1 195.5	24.0Ω/M' 78.7Ω/km	3.8Ω/M' 12.5Ω/km	.283 7.19	100	78%	12.5	41	22	72.2	
	8104	NEC: CM CEC: CM	4	See Chart 5 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	5.1 21.0 46.0 490.0	2.3 9.5 20.9 222.7	24.0Ω/M' 78.7Ω/km	4.1Ω/M' 13.5Ω/km	.302 7.67	100	78%	12.5	41	22	72.2	
	8105	NEC: CM CEC: CM	5	See Chart 5 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	5.8 28.0 53.0 53.0	2.6 12.7 24.1 24.1	24.0Ω/M' 78.7Ω/km	4.2Ω/M' 13.8Ω/km	.316 8.03	100	78%	12.5	41	22	72.2	
	8106	NEC: CM CEC: CM	6	See Chart 5 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	6.3 30.5 58.0 58.0	2.9 13.9 26.4 26.4	24.0Ω/M' 78.7Ω/km	3.5Ω/M' 11.5Ω/km	.341 8.66	100	78%	12.5	41	22	72.2	
	8107	NEC: CM CEC: CM	7	See Chart 5 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	6.8 33.0 63.0 63.0	3.1 15.0 28.6 28.6	24.0Ω/M' 78.7Ω/km	3.5Ω/M' 11.5Ω/km	.341 8.66	100	78%	12.5	41	22	72.2	
	8108	NEC: CM CEC: CM	8	See Chart 5 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	7.6 37.5 72.0 72.0	3.5 17.1 32.8 32.8	24.0Ω/M' 78.7Ω/km	2.7Ω/M' 8.9Ω/km	.370 9.40	100	78%	12.5	41	22	72.2	
	8110	NEC: CM CEC: CM	10	See Chart 5 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	8.1 45.5 90.0 90.0	3.7 20.7 40.9 40.9	24.0Ω/M' 78.7Ω/km	2.4Ω/M' 7.9Ω/km	.427 10.85	100	78%	12.5	41	22	72.2	
	8112	NEC: CM CEC: CM	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	9.2 51.0 101.0 101.0	4.2 23.3 45.9 45.9	24.0Ω/M' 78.7Ω/km	2.4Ω/M' 7.9Ω/km	.440 11.18	100	78%	12.5	41	22	72.2	
	8115	NEC: CM CEC: CM	15	See Chart 5 (Tech Info Section)	500 1000 10000	152.4 304.8 3048.0	63.5 116.0 52.7	28.9 52.7	24.0Ω/M' 78.7Ω/km	2.6Ω/M' 8.5Ω/km	.495 12.57	100	78%	12.5	41	22	72.2	
8118	NEC: CM CEC: CM	18	See Chart 5 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	13.3 70.5 144.0 144.0	6.0 32.0 65.5 65.5	24.0Ω/M' 78.7Ω/km	2.1Ω/M' 6.9Ω/km	.537 13.64	100	78%	12.5	41	22	72.2		
8125	NEC: CM CEC: CM	25	See Chart 5 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	20.7 98.0 191.0 191.0	9.4 44.5 86.8 86.8	24.0Ω/M' 78.7Ω/km	2.0Ω/M' 6.6Ω/km	.632 16.05	100	78%	12.5	41	22	72.2		

†24 AWG stranded TC drain wire.

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

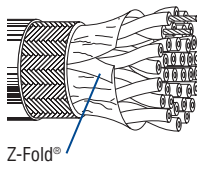
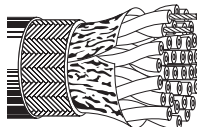
**Capacitance between one conductor and other conductors connected to shield.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.



Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance					
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m		
22 AWG Stranded (7x30) Tinned Copper Conductors • Twisted Pairs • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage)																				
Semi-rigid PVC Insulation • Chrome PVC Jacket																				
UL AWM Style 2464 (300V 80°C)  Z-Fold®	8302	NEC:	2	See	100	30.5	4.5	2.0	15.0Ω/M'	5.7Ω/M'	.260	6.60	70	60%	40	131	72	236		
		CMG		Chart 3	500	152.4	19.0	8.6	49.2Ω/km	18.7Ω/km										
		CEC:		(Tech Info Section)	1000	304.8	41.0	18.6												
			CMG FT4																	
	8303	NEC:	3	See	100	30.5	5.2	2.4	15.0Ω/M'	6.2Ω/M'	.270	6.86	70	60%	35	115	63	207		
		CMG		Chart 3	500	152.4	25.5	11.6	49.2Ω/km	20.3Ω/km										
		CEC:		(Tech Info Section)	1000	304.8	48.0	21.8												
		CMG FT4																		
8304	NEC:	4	See	100	30.5	6.7	3.0	15.0Ω/M'	4.9Ω/M'	.320	8.13	70	60%	35	115	63	207			
	CMG		Chart 3	500	152.4	32.5	14.7	49.2Ω/km	16.1Ω/km											
	CEC:		(Tech Info Section)	1000	304.8	65.0	29.5													
		CMG FT4																		
8305	NEC:	5	See	100	30.5	7.2	3.3	15.0Ω/M'	4.8Ω/M'	.322	8.18	70	60%	35	115	63	207			
	CMG		Chart 3	500	152.4	35.0	15.9	49.2Ω/km	15.7Ω/km											
	CEC:		(Tech Info Section)	1000	304.8	67.0	30.4													
		CMG FT4																		
8306	NEC:	6	See	100	30.5	8.0	3.6	15.0Ω/M'	5.0Ω/M'	.348	8.84	70	60%	35	115	63	207			
	CMG		Chart 3	500	152.4	39.5	18.0	49.2Ω/km	16.4Ω/km											
	CEC:		(Tech Info Section)	1000	304.8	79.0	35.8													
		CMG FT4																		
8307	NEC:	7	See	100	30.5	8.6	3.9	15.0Ω/M'	5.0Ω/M'	.348	8.84	70	60%	35	115	63	207			
	CMG		Chart 3	500	152.4	42.0	19.0	49.2Ω/km	16.4Ω/km											
	CEC:		(Tech Info Section)	1000	304.8	85.0	38.6													
		CMG FT4																		
8308	NEC:	8	See	100	30.5	10.4	4.7	15.0Ω/M'	4.4Ω/M'	.384	9.75	70	60%	35	115	63	207			
	CMG		Chart 3	500	152.4	50.0	22.7	49.2Ω/km	14.4Ω/km											
	CEC:		(Tech Info Section)	1000	304.8	101.0	46.0													
		CMG FT4																		
UL AWM Style 2464 (300V 80°C) 	8310	NEC:	10	See	100	30.5	11.1	5.0	15.0Ω/M'	4.1Ω/M'	.440	11.18	70	60%	35	115	63	207		
		CMG		Chart 3	500	152.4	60.5	27.4	49.2Ω/km	13.4Ω/km										
		CEC:		(Tech Info Section)	1000	304.8	121.0	54.9												
			CMG FT4																	
	8312	NEC:	12	See	100	30.5	12.9	5.9	15.0Ω/M'	4.2Ω/M'	.455	11.56	70	60%	35	115	63	207		
		CMG		Chart 3	500	152.4	72.0	32.8	49.2Ω/km	13.8Ω/km										
		CEC:		(Tech Info Section)	1000	304.8	140.0	63.8												
		CMG FT4																		
8315	NEC:	15	See	100	30.5	15.7	7.1	15.0Ω/M'	3.8Ω/M'	.502	12.75	70	60%	35	115	63	207			
	CMG		Chart 3	500	152.4	85.5	39.0	49.2Ω/km	12.5Ω/km											
	CEC:		(Tech Info Section)	1000	304.8	167.0	76.1													
		CMG FT4																		
8318	NEC:	18	See	100	30.5	17.7	8.0	15.0Ω/M'	3.0Ω/M'	.535	13.59	70	60%	35	115	63	207			
	CMG		Chart 3	500	152.4	97.5	44.2	49.2Ω/km	9.8Ω/km											
	CEC:		(Tech Info Section)	1000	304.8	196.0	89.1													
		CMG FT4																		
8325	NEC:	25	See	100	30.5	23.1	10.5	15.0Ω/M'	2.9Ω/M'	.620	15.75	70	60%	35	115	63	207			
	CMG		Chart 3	500	152.4	126.0	57.4	49.2Ω/km	9.5Ω/km											
	CEC:		(Tech Info Section)	1000	304.8	246.0	112.1													
		CMG FT4																		

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

Overall Foil/Braid Shield

Computer P.O.S. Cables

Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

22 AWG Solid TC Conductors • Twisted Pairs • Overall Beldfoil® (100% Coverage) + TC Braid Shield (90% Coverage) • TC Drain Wire

Polyethylene Insulation • Black PVC Jacket

UL AWM Style 2582 (150V 60°C)	1268A	NEC: CM CEC: CM	2	Red & Blue, Black & Yellow	1000	304.8	48.0	21.8	16.5Ω/M' 54.1Ω/km	3.7Ω/M' 12.1Ω/km	.270	6.86	100	66%	15.5	50.9	27.5	90.2
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For Plenum version of 1268A, see 1269A.

Plenum • Solid FEP Insulation • Black FEP Jacket

300V RMS, Non-conduit	1269A	NEC: MPP, CMP CEC: MPP, CMP FT6	2	Red & Blue, Black & Yellow	1000†	304.8	48.0	21.8	16.5Ω/M' 54.1Ω/km	2.1Ω/M' 6.9Ω/km	.240	6.10	100	69.5%	15.5	50.9	27.0	88.6
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22 AWG Solid TC Conductors • Twisted Pairs • Overall Beldfoil (100% Coverage) + TC Braid Shield (58% Coverage) • TC Drain Wire

Polyethylene Insulation • Black PVC Jacket

UL AWM Style 2582 (150V 60°C)	9855	NEC: CM CEC: CM	2	Red & Blue, Black & Yellow	U-500 500 1000 10000††	U-152.4 152.4 304.8 3048.0	20.0 18.5 40.0 410.0	9.1 8.4 40.0 186.4	16.5Ω/M' 54.1Ω/km	4.2Ω/M' 13.8Ω/km	.270	6.86	100	66%	15.5	50.9	27.5	90.2
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For Plenum version of 9855, see 89855.

22 AWG Solid TC Conductors • Twisted Pairs • Overall Beldfoil (100% Coverage) + TC Braid Shield (55% Coverage) + Polyester Tape • Drain Wire

Plenum • Solid FEP Insulation • Black FEP Jacket

300V RMS, Non-conduit	89855	NEC: MPP, CMP CEC: MPP, CMP FT6	2	1 Pair: Red & Blue	500† 1000†	152.4 304.8	22.5 42.0	10.2 19.1	16.5Ω/M' 54.1Ω/km	4.9Ω/M' 16.1Ω/km	.272	6.91	100	69.5%	15.5	50.9	27.0	88.6
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22 AWG Solid BC Conductors • Twisted Pairs • Overall Beldfoil (100% Coverage) + TC Braid Shield (58% Coverage) • TC Drain Wire

Polyethylene Insulation • Black PVC Jacket

UL AWM Style 2919 (30V 80°C)	9696	NEC: CM CEC: CM	2	1 Pair: Blue & White w/Blue Stripe 1 Pair: Orange & White w/Orange Stripe	500 1000	152.4 304.8	23.5 44.0	10.7 20.0	14.2Ω/M' 46.6Ω/km	4.2Ω/M' 13.8Ω/km	.290	7.37	100	66%	16.0	52.5	27.5	90.2
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For Plenum version of 9696, see 89696.

22 AWG Solid BC Conductors • Twisted Pairs • Overall Beldfoil (100% Coverage) + TC Braid Shield (55% Coverage) • TC Drain Wire

Plenum • Solid FEP Insulation • Black FEP Jacket

300V RMS, Non-conduit	89696	NEC: MPP, CMP CEC: MPP, CMP FT6	2	1 Pair: Blue & White w/Blue Stripe 1 Pair: Orange & White w/Orange Stripe	500† 1000†	152.4 304.8	25.0 46.0	11.4 20.9	16.5Ω/M' 54.1Ω/km	4.2Ω/M' 13.8Ω/km	.262	6.65	100	69.5%	15.5	50.9	27.0	88.6
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BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

**Capacitance between one conductor and other conductors connected to shield.

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

†† Final put-up length may vary -10% to +20% from length shown. May contain 2 pieces. Minimum length of any one piece is 1500 ft.