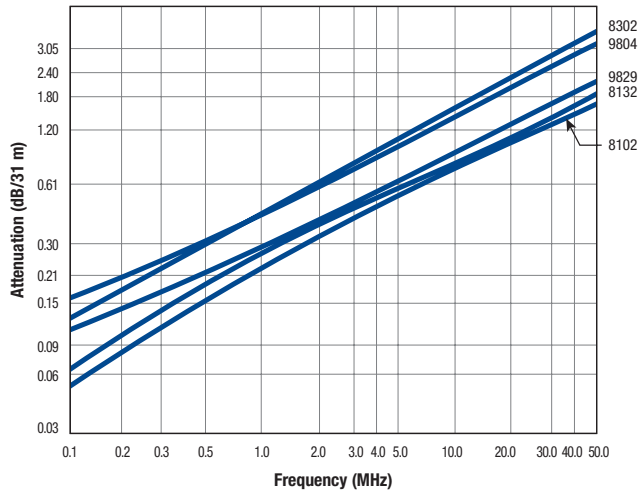


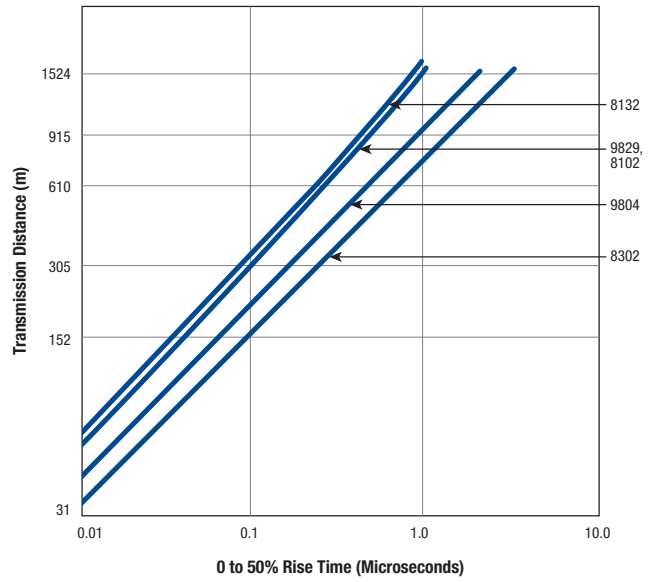
Overall Foil/Braid Shield

Cable Characteristics

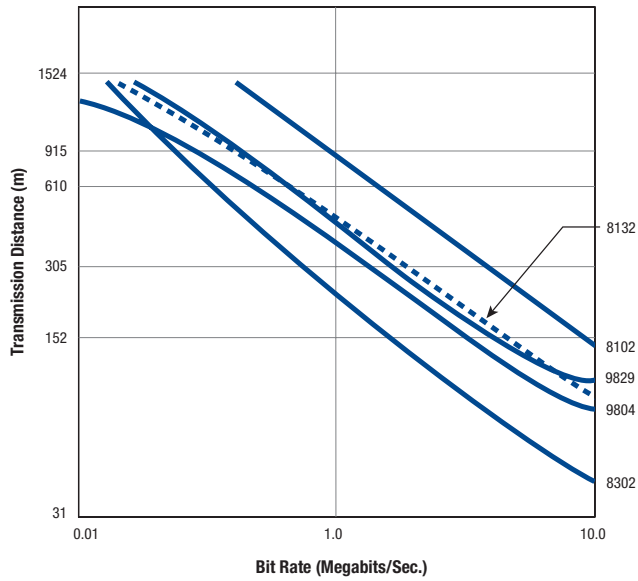
Attenuation



Rise Time

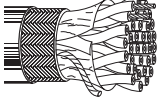


Bit Rate



Overall Foil/Braid Shield

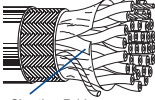
Low-Capacitance Computer Cables
for EIA RS-232 and EIA RS-422 Applications

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 AWG • Stranded (7x36) 0.4 mm Tinned Copper • Twisted Pair • Overall Beldfoil® Shield + 90 % TC Braid • 28 AWG TC Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket																		
30V 60°C UL AWM Style 2960		NEC: CL2					0.38 mm 28 AWG (7x36) TC	0.033	0.84		Overall Beldfoil® + Overall 90% TC Braid + Drain Wire (28 AWG TC)		100	66%				see chart 3 (Tech Info Section)
																		
9804	2-Pair		100 500 1000	31 152 305	4.0 14.6 32.0	1.8 6.6 14.5					0.214	5.44			CDR/CDR CDR/SCR	16 28	51 90	
9805	3-Pair		100 500 1000	31 152 305	4.2 15.4 35.1	1.9 7.0 15.9					0.222	5.64			CDR/CDR CDR/SCR	16 28	51 90	
9806	4-Pair		100 500 1000	31 152 305	4.4 17.4 39.0	2.0 7.9 17.7					0.237	6.02			CDR/CDR CDR/SCR	16 28	51 90	
9807	5-Pair		100 500 1000	31 152 305	4.4 19.6 39.0	2.0 8.9 17.7					0.240	6.10			CDR/CDR CDR/SCR	16 28	51 90	
9808	7-Pair		100 500 1000	31 152 305	4.9 20.5 44.1	2.2 9.3 20.0					0.256	6.50			CDR/CDR CDR/SCR	16 28	51 90	
9809	9-Pair		100 500 1000	31 152 305	5.7 24.9 53.1	2.6 11.3 24.1					0.290	7.37			CDR/CDR CDR/SCR	16 28	51 90	
9812	12-Pair		100 500 1000	31 152 305	6.6 31.1 62.2	3.0 14.1 28.2					0.319	8.10			CDR/CDR CDR/SCR	16 28	51 90	
9813	13-Pair		100 500 1000	31 152 305	7.1 34.2 66.1	3.2 15.5 30.0					0.336	8.53			CDR/CDR CDR/SCR	16 28	51 90	
9819	18-Pair		100 500 1000	31 152 305	8.4 41.0 82.2	3.8 18.6 37.3					0.365	9.27			CDR/CDR CDR/SCR	16 28	51 90	
9825	25-Pair		100 500 1000	31 152 305	9.9 54.7 108.2	4.5 24.8 49.1					0.429	10.90			CDR/CDR CDR/SCR	16 28	51 90	
9814	31-Pair		100 500 1000	31 152 305	11.9 64.2 127.2	5.4 29.1 57.7					0.462	11.73			CDR/CDR CDR/SCR	16 28	51 90	

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

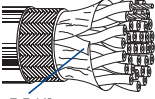
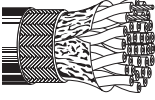
Low-Capacitance Computer Cables
for EIA RS-232 and EIA RS-485 Applications

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 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

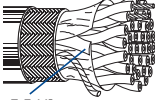
Low-Capacitance Computer Cables
for EIA RS-232 Applications

Description	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	
24 AWG • Stranded (7x32) 0.6 mm Tinned Copper • Twisted Pair • Overall Beldfoil® Shield + 65% Tinned Copper Braid																	
Semi-Rigid PVC Insulation • Chrome PVC Jacket																	
300V 80°C UL AWM Style 2464 CSA AWM I A		NEC: CMG CEC: CMG FT4					0.61 mm 24 AWG (7x32) TC	0.044	1.12	Overall Beldfoil® + Overall 65% TC Braid			75	60%			see chart 5 (Tech Info Section)
																	
	8332	2-Pair	100 500 1000	31 152 305	4.2 16.5 37.0	1.9 7.5 16.8					0.250	6.35			CDR/CDR CDR/SCR	30 50	98 164
	8333	3-Pair	100 500 1000	31 152 305	4.9 20.5 44.3	2.2 9.3 20.1					0.265	6.73			CDR/CDR CDR/SCR	30 50	98 164
	8334	4-Pair	100 500 1000	31 152 305	5.3 22.5 49.2	2.4 10.2 22.3					0.288	7.32			CDR/CDR CDR/SCR	30 50	98 164
	8335	5-Pair	100 500 1000	31 152 305	6.0 29.5 57.1	2.7 13.4 25.9					0.295	7.49			CDR/CDR CDR/SCR	30 50	98 164
	8336	6-Pair	100 500 1000	31 152 305	6.6 31.5 62.2	3.0 14.3 28.2					0.310	7.87			CDR/CDR CDR/SCR	30 50	98 164
	8337	7-Pair	100 500 1000	31 152 305	6.8 32.8 65.0	3.1 14.9 29.5					0.321	8.15			CDR/CDR CDR/SCR	30 50	98 164
	8340	10-Pair	100 500 1000	31 152 305	9.0 43.4 90.2	4.1 19.7 40.9					0.385	9.78			CDR/CDR CDR/SCR	30 50	98 164
	8342	12.5-Pair (12 pairs + 1 single)	100 500 1000	31 152 305	11.0 55.1 109.1	5.0 25.0 49.5					0.405	10.29			CDR/CDR CDR/SCR	30 50	98 164
	8345	15-Pair	500 1000	152 305	61.7 123.2	28.0 55.9					0.445	11.30			CDR/CDR CDR/SCR	30 50	98 164
300V 80°C UL AWM Style 2464	8348	18-Pair	100 500 1000	31 152 305	14.1 78.9 152.8	6.4 35.8 69.3					0.480	12.19			CDR/CDR CDR/SCR	30 50	98 164
	8355	25-Pair	500 1000	152 305	96.8 195.3	43.9 88.6					0.550	13.97			CDR/CDR CDR/SCR	30 50	98 164

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

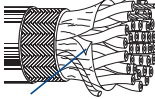
Low-Capacitance Computer Cables
for EIA RS-232 and EIA RS-422 Applications

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		
24 AWG • Stranded (7x32) 0.6 mm TC • Twisted Pair • Overall Beldfoil® Shield + 65% Tinned Copper Braid • 24 AWG TC 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® + Overall 65% TC Braid + Drain Wire (24 AWG TC)			100	66%			see chart 5 (Tech Info Section)	
																		
Z-Fold®																		
9829	2-Pair		100	31	4.6	2.1						0.291	7.39			CDR/CDR	16	51
			500	152	22.0	10.0										CDR/SCR	28	90
			1000	305	43.0	19.5												
9830	3-Pair		500	152	26.5	12.0						0.305	7.74			CDR/CDR	16	51
			1000	305	53.1	24.1										CDR/SCR	28	90
9831	4-Pair		100	31	6.2	2.8						0.330	8.38			CDR/CDR	16	51
			500	152	30.0	13.6										CDR/SCR	28	90
			1000	305	58.2	26.4												
9832	5-Pair		100	31	6.6	3.0						0.338	8.59			CDR/CDR	16	51
			500	152	32.6	14.8										CDR/SCR	28	90
			1000	305	65.0	29.5												

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

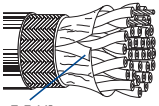
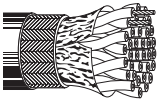





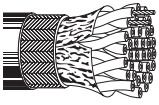



Low-Capacitance Computer Cables
for EIA RS-232 and EIA RS-422 Applications

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	
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)
																	
	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

Overall Foil/Braid Shield

Low-Capacitance Computer Cables
for EIA RS-232 Applications

Description	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			
22 AWG • Stranded (7x30) 0.8 mm Tinned Copper • Twisted Pair • Overall Beldfoil® Shield + 65% Tinned Copper Braid																			
Semi-Rigid PVC Insulation • Chrome PVC Jacket																			
300V 80°C UL AWM Style 2464		NEC: CMG CEC: CMG FT4					0.76 mm 22 AWG (7x30) TC	0.051	1.30	Overall Beldfoil® + Overall 65% TC Braid			70	60%			see chart 3 (Tech Info Section)		
 Z-Fold®	8302	2-Pair	100	31	4.4	2.0						0.260	6.60			CDR/CDR	40	131	
			500	152	19.0	8.6											CDR/SCR	72	236
			1000	305	41.0	18.6													
	8303	3-Pair	100	31	5.3	2.4						0.270	6.86			CDR/CDR	35	115	
			500	152	25.6	11.6											CDR/SCR	63	207
			1000	305	48.1	21.8													
	8304	4-Pair	100	31	6.6	3.0						0.320	8.13			CDR/CDR	35	115	
			500	152	32.4	14.7											CDR/SCR	63	207
			1000	305	65.0	29.5													
	8305	5-Pair	100	31	7.3	3.3						0.322	8.18			CDR/CDR	35	115	
			500	152	35.1	15.9											CDR/SCR	63	207
			1000	305	67.0	30.4													
	8306	6-Pair	100	31	7.9	3.6						0.348	8.84			CDR/CDR	35	115	
			500	152	39.7	18.0											CDR/SCR	63	207
			1000	305	78.9	35.8													
	8307	7-Pair	100	31	8.6	3.9						0.348	8.84			CDR/CDR	35	115	
			500	152	41.9	19.0											CDR/SCR	63	207
			1000	305	85.1	38.6													
	8308	8-Pair	100	31	10.4	4.7						0.384	9.75			CDR/CDR	35	115	
			500	152	50.0	22.7											CDR/SCR	63	207
			1000	305	101.4	46.0													
300V 80°C UL AWM Style 2464	8310	10-Pair	100	31	11.0	5.0						0.440	11.18			CDR/CDR	35	115	
			500	152	60.4	27.4											CDR/SCR	63	207
			1000	305	121.0	54.9													
	8312	12.5-Pair (12 pairs + 1 single)	100	31	13.0	5.9						0.455	11.56			CDR/CDR	35	115	
			500	152	72.3	32.8											CDR/SCR	63	207
			1000	305	140.7	63.8													
	8315	15-Pair	100	31	15.7	7.1						0.502	12.75			CDR/CDR	35	115	
			500	152	86.0	39.0											CDR/SCR	63	207
			1000	305	167.8	76.1													
	8318	18-Pair	100	31	17.6	8.0						0.535	13.59			CDR/CDR	35	115	
			500	152	97.4	44.2											CDR/SCR	63	207
			1000	305	196.4	89.1													
	8325	25-Pair	100	31	23.1	10.5						0.620	15.75			CDR/CDR	35	115	
			500	152	126.5	57.4											CDR/SCR	63	207
			1000	305	247.1	112.1													

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