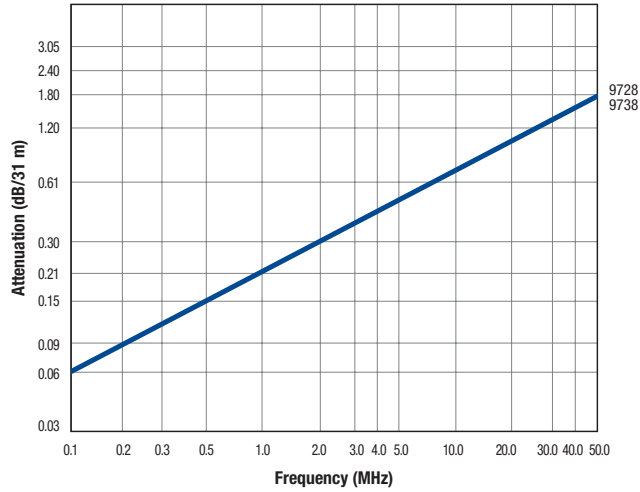
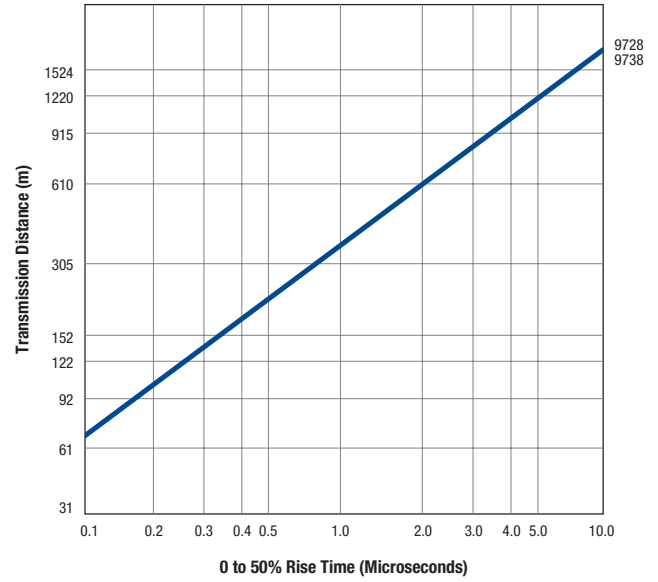


Individually Shielded Cable Characteristics

Attenuation

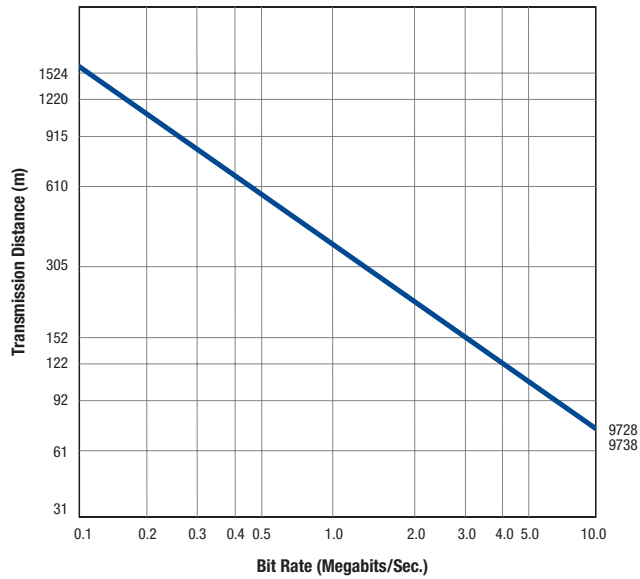


Rise Time



Cables are terminated in their characteristic impedance. Signal source electrical characteristics: 50 Ohm and 10% to 90% rise time less than 5 nanoseconds.

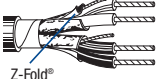
Bit Rate



Charts assume 5% peak-to-peak time jitter as determined by eye pattern measurements of pseudorandom NRZ code.

Individually Shielded

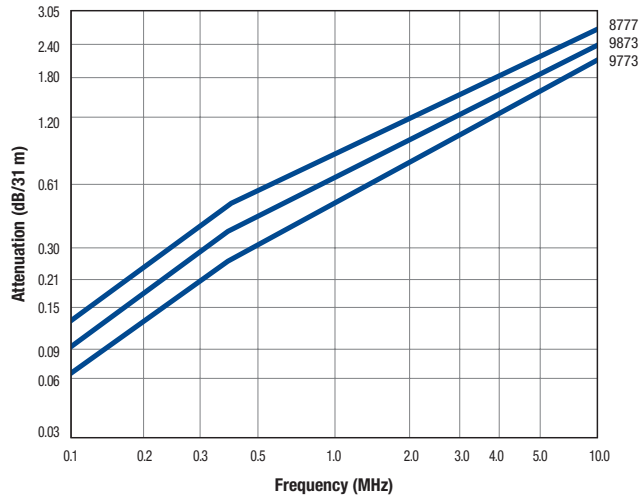
Low-Capacitance 100 Ohm Computer Cables
for EIA RS-422 and Digital Audio Applications

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 • 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	

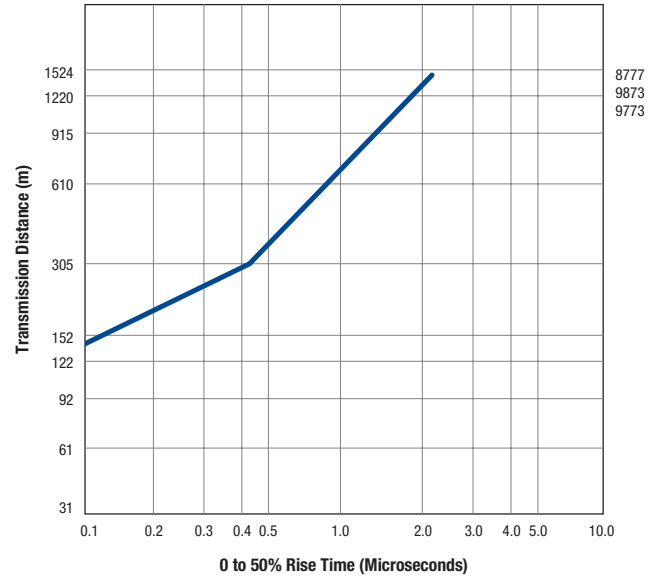
TC = Tinned Copper • DCR = DC resistance • SCR = Capacitance between one conductor and other conductors connected to shield. • CDR = Capacitance between conductors
† Spools are one piece, but length may vary ±10% from length shown.

Individually Shielded Cable Characteristics

Attenuation

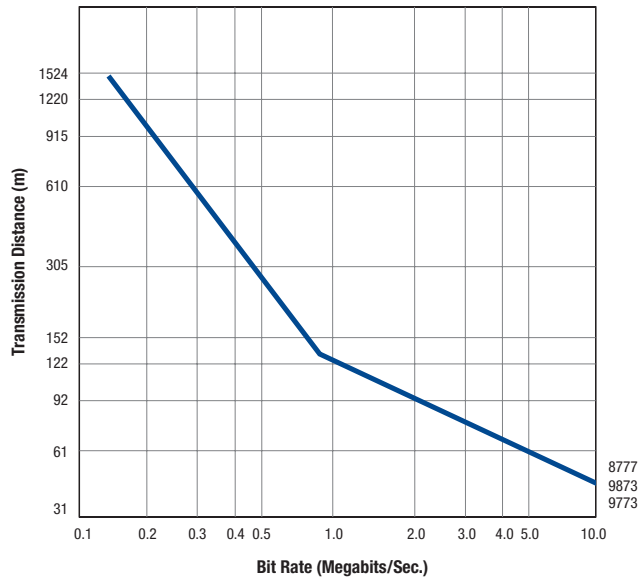


Rise Time



Recommended for audio, pulse, and radio frequency applications requiring superior circuit isolation.

Bit Rate



Insulation resistance between shields:

100 megohms/M' nom.

Capacitance between adjacent shields:

377 pF/m nom.

Working voltage between adjacent shields:

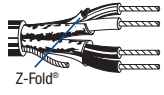
50 volt max.

Individually Shielded

Audio, Control and Instrumentation 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	

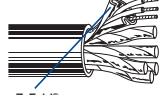
22 AWG • Stranded (7x30) 0.8 mm TC • Twisted Pair • Each Pair Individually Beldfoil® Shielded • 24 AWG Tinned Copper Drain Wire

Polypropylene Insulation • Chrome PVC Jacket																			
 Z-Fold®	300V RMS	8723	NEC:	100	31	2.2	1.0	0.76 mm	0.046	1.17	Individual Beldfoil® + Drain Wire (24 AWG TC)	0.160	4.06	45	66%	CDR/CDR	35	115	Red & Black, Green & White
	60°C		CM	U-500	U-152	10.6	4.8	22 AWG											
	CEC:		500	152	9.9	4.5	(7x30) TC												
	CM		U-1000	U-305	19.0	8.6													
			1,000	305	20.1	9.1													
			1640	500	32.8	14.9													
			U-2000	U-610	37.9	17.2													
			2000	610	40.1	18.2													
			3279	1000	65.7	29.8													
			5000	1524	95.2	43.2													
	10000	3049	200.4	90.9															

For halogen-free version see 8723NH.
Pairs cabled on common axis to reduce diameter

2-Pair

22 AWG • Stranded (7x30) 0.8 mm TC • Twisted Pair • Each Pair Individually Beldfoil® Shielded • 22 AWG Tinned Copper Drain Wire

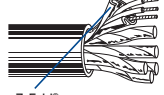
Polypropylene Insulation • Chrome PVC Jacket																			
 Z-Fold®	300V 80°C	UL AWM Style 2919	NEC:					0.76 mm	0.050	1.27	Individual Beldfoil® + Drain Wire (22 AWG TC)			50	66%	CDR/CDR	30	98	see chart 3 (Tech Info Section)
	CM					22 AWG													
	CEC:					(7x30) TC													
	CM																		

 Z-Fold®	8777	3-Pair	100	31	4.6	2.1	0.273	6.93	CDR/CDR	30	98
			250	76	9.9	4.5					
			U-500	U-152	20.9	9.5					
			500	152	20.1	9.1					
			U-1000	U-305	41.0	18.6					
			1000	305	44.1	20.0					
			1640	500	70.5	32.0					
			3279	1000	141.1	64.0					
			5000	1524	215.2	97.6					
			† 10000	3049	460.3	208.8					

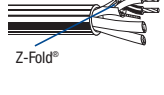
For halogen-free version see 8777NH.

 Z-Fold®	8778	6-Pair	100	31	8.4	3.8	0.362	9.19	CDR/CDR	30	98
			250	76	19.0	8.6					
			500	152	43.0	19.5					
			1000	305	83.1	37.7					

For halogen-free version see 8778NH.

 Z-Fold®	8774	9-Pair	100	31	11.5	5.2	0.417	10.59	CDR/CDR	30	98
			250	76	29.5	13.4					
			500	152	57.5	26.1					
			1000	305	113.1	51.3					

22 AWG • Stranded (7x30) 0.8 mm TC • Twisted Pair • Each Pair Individually Beldfoil® Shielded • 22 AWG Tinned Copper Drain Wire

Plenum • FEP Insulation • Natural Flamarest® Jacket																			
 Z-Fold®	300V RMS	82777	NEC:	†† U-500	U-152	19.6	8.9	0.76 mm	0.050	1.27	Individual Beldfoil® + Drain Wire (22 AWG TC)	0.237	6.02	46	62%	CDR/CDR	35	115	see chart 3 (Tech Info Section)
			CMP	U-1000	U-305	38.1	17.3	22 AWG											
			CEC:	†† 1000	305	39.0	17.7	(7x30) TC											
			CMP FT6																

3-Pair

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

† Final put-up length may vary -10% to +20% from length shown. May contain 2 pieces. Minimum length of any one piece is 457 m (1500 ft.).

†† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel® from length shown.

Individually Shielded

Audio, Control and Instrumentation 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	

20 AWG • Stranded (7x28) 1.0 mm TC • Twisted Pair • Each Pair Individually Beldfoil® Shielded • 22 AWG Tinned Copper Drain Wire

Semi-Rigid PVC Insulation • Overall Chrome PVC Jacket																		
300V 80°C UL AWM Style 2464	9402	NEC: CMG CEC: CMG FT4	U-500 1000	U-152 305	26.0 52.2	11.8 23.7	0.96 mm 20 AWG (7x28) TC	0.057	1.46	Individual Beldfoil® + Drain Wire (22 AWG TC)	0.300	7.62	-	-	CDR/CDR CDR/SCR	55 95	180 312	Red & Black, Green & White

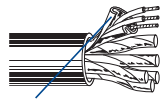


Z-Fold®

2-Pair

20 AWG • Stranded (7x28) 1.0 mm TC • Twisted Pair • Each Pair Individually Beldfoil® Shielded • 22 AWG Tinned Copper Drain Wire

Polypropylene Insulation • Chrome PVC Jacket																		
30V 80°C UL AWM Style 2919		NEC: CM CEC: CM					0.96 mm 20 AWG (7x28) TC	0.066	1.68	Individual Beldfoil® + Drain Wire (22 AWG TC)			50	66%				see chart 3 (Tech Info Section)

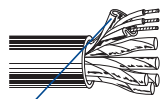


Z-Fold®

9873	3-Pair	100	31	6.6	3.0						0.341	8.66			CDR/CDR CDR/SCR	30 55	98 180	
		250	76	14.6	6.6													
		500	152	32.6	14.8													
		1000	305	58.0	26.3													
9874	6-Pair	100	31	10.4	4.7						0.445	11.30			CDR/CDR CDR/SCR	30 55	98 180	
		250	76	29.1	13.2													
		500	152	56.7	25.7													
		1000	305	113.1	51.3													
9875	9-Pair	100	31	17.9	8.1						0.555	14.10			CDR/CDR CDR/SCR	30 55	98 180	
		250	76	44.0														
		500	152	97.0	44.0													
		1000	305	194.9	88.4													

18 AWG • Stranded (19x30) 1.2 mm TC • Twisted Pair • Each Pair Individually Beldfoil® Shielded • 20 AWG Tinned Copper Drain Wire

Polypropylene Insulation • Chrome PVC Jacket																		
30V 80°C UL AWM Style 2919		NEC: CM CEC: CM					1.24 mm 18 AWG (19x30) TC	0.082	2.08	Individual Beldfoil® + Drain Wire (20 AWG TC)			50	66%				see chart 3 (Tech Info Section)



Z-Fold®

9773	3-Pair	100	31	10.8	4.9						0.404	10.26			CDR/CDR CDR/SCR	30 55	98 180	
		250	76	23.8														
		500	152	48.6														
9774	6-Pair	100	31	16.1	7.3						0.560	14.22			CDR/CDR CDR/SCR	30 55	98 180	
		250	76	40.9														
		500	152	80.8														
9775	9-Pair	100	31	25.8	11.7						0.655	16.64			CDR/CDR CDR/SCR	30 55	98 180	
		250	76	55.8														
		500	152	109.4														

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