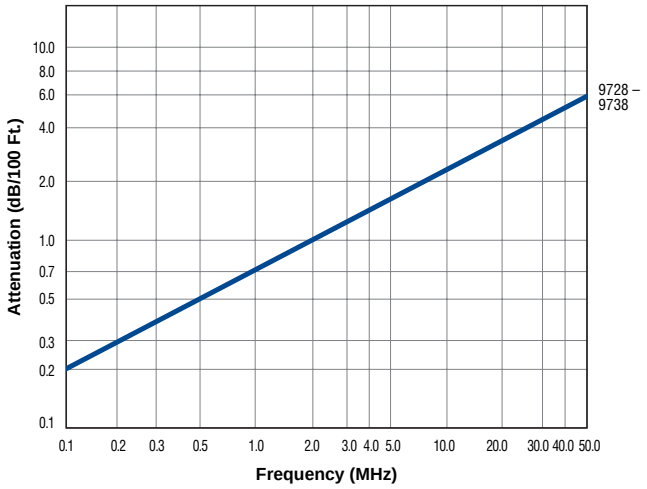
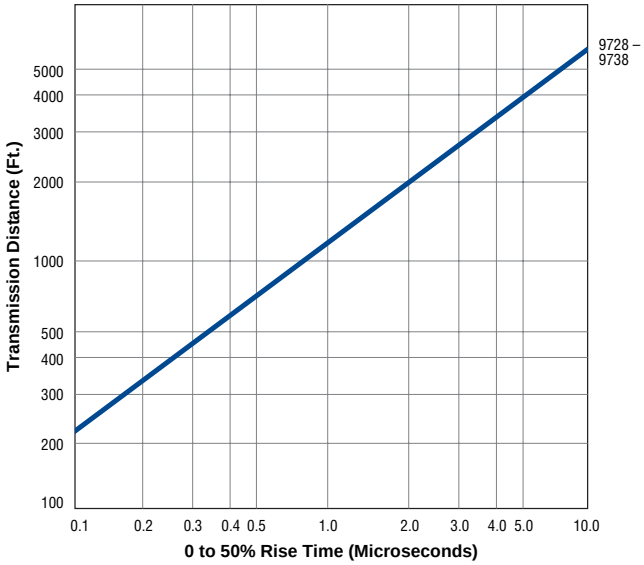
Individually Shielded

Cable Characteristics

Attenuation

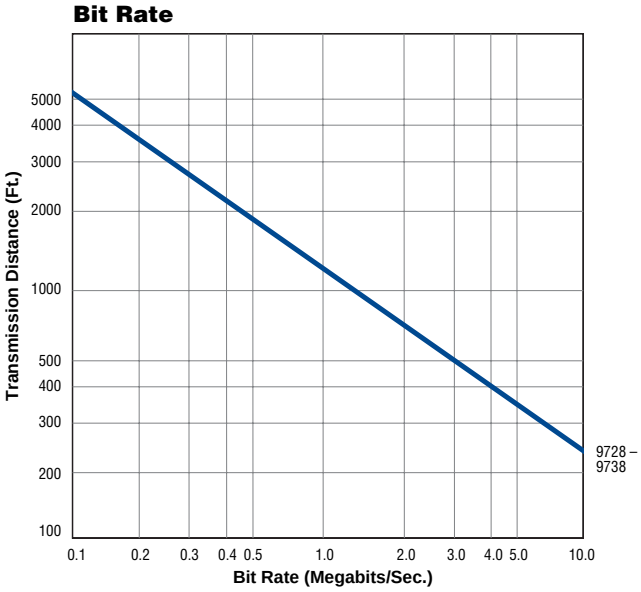


Rise Time



Cables are terminated in their characteristic impedance. Signal source electrical characteristics: 50 ohms 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.

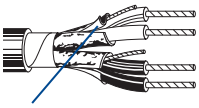
Individually Shielded

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

24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 24 AWG Stranded TC Drain Wire

Datalene® Insulation • Chrome PVC Jacket

UL AWM Style 2493
(300V 60°C)



Z-Fold®

Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/Ft.	Nom. Capacitance * pF/m	Nom. Capacitance ** pF/Ft.	Nom. Capacitance ** pF/m
9729	NEC: CM CEC: CM	2	See Chart 3 (Tech Info Section)	100 500 1000 10000†	30.5 152.4 304.8 3048.0	4.3 20.5 39.0 390.0	2.0 9.3 17.7 177.8	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.266	6.76	100	76%	12.5	41.0	23.2	76.1
												For Plenum version of 9729, see 89729 or 82729.					
9730	NEC: CM CEC: CM	3	See Chart 3 (Tech Info Section)	100 500 1000 10000†	30.5 152.4 304.8 3048.0	5.1 24.5 46.0 520.0	2.3 11.1 20.9 236.4	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.334	8.48	100	76%	12.5	41.0	23.2	76.1
												For Plenum version of 9730, see 89730.					
9728	NEC: CM CEC: CM	4	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.0 29.0 51.0	2.7 13.2 23.1	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.363	9.22	100	76%	12.5	41.0	23.2	76.1
												For Plenum version of 9728, see 89728.					
9731	NEC: CM CEC: CM	6	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.4 42.0 83.0	3.4 19.1 37.7	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.421	10.69	100	76%	12.5	41.0	23.2	76.1
												For Plenum version of 9731, see 89731.					
9732	NEC: CM CEC: CM	9	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	9.9 57.0 106.0	4.5 26.0 48.1	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.488	12.40	100	76%	12.5	41.0	23.2	76.1
												For Plenum version of 9732, see 89732.					
9733	NEC: CM CEC: CM	11	See Chart 3 (Tech Info Section)	500	152.4	75.0	34.1	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.575	14.61	100	76%	12.5	41.0	23.2	76.1
9734	NEC: CM CEC: CM	12	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	79.5 154.0	36.1 70.0	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.575	14.61	100	76%	12.5	41.0	23.2	76.1
9735	NEC: CM CEC: CM	15	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	95.0 185.0	43.2 84.1	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.639	16.23	100	76%	12.5	41.0	23.2	76.1
9736	NEC: CM CEC: CM	17	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	103.5 210.0	47.0 95.5	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.671	17.04	100	76%	12.5	41.0	23.2	76.1
9737	NEC: CM CEC: CM	19	See Chart 3 (Tech Info Section)	1000	304.8	231.0	105.0	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.671	17.04	100	76%	12.5	41.0	23.2	76.1
9738	NEC: CM CEC: CM	27	See Chart 3 (Tech Info Section)	1000	304.8	334.0	151.8	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.797	20.24	100	76%	12.5	41.0	23.2	76.1

DCR = DC Resistance • TC = Tinned Copper

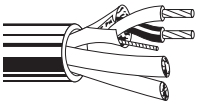
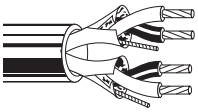
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
†Final put-up length may vary -10% to +20% from length shown. May contain 2 pieces. Minimum length of any one piece is 1500 ft.

See Attenuation, Rise Time and Bit Rate Data for this series on page 5.34.

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.

Individually Shielded

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

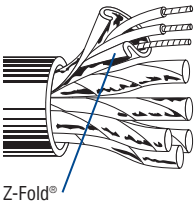
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																		
300V RMS 	**89729**	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	17.0 31.0	7.7 14.1	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.261	6.63	100	76%	13.5	44	22.5	73.8
	89730	NEC: CMP CEC: CMP FT6	3	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	21.5 40.0	9.8 18.2	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.278	7.06	100	76%	13.5	44	22.5	73.8
	89728	NEC: CMP CEC: CMP FT6	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	26.5 50.0	12.0 22.7	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.307	7.80	100	76%	13.5	44	22.5	73.8
	89731	NEC: CMP CEC: CMP FT6	6	See Chart 5 (Tech Info Section)	500 1000†	152.4 304.8	35.0 71.0	15.9 32.3	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.361	9.17	100	76%	13.5	44	22.5	73.8
	89732	NEC: CMP CEC: CMP FT6	9	See Chart 5 (Tech Info Section)	1000	304.8	108.0	49.0	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.429	10.90	100	76%	13.5	44	22.5	73.8
Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS 	**82729**	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	U-1000 1000	U-304.8 304.8	26.0 28.0	11.8 12.7	23.3Ω/M′ 76.4Ω/km	14.4Ω/M′ 47.2Ω/km	.255	6.48	100	76%	13.5	44	22.5	73.8

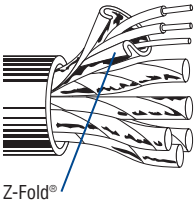
DCR = DC Resistance • TC = Tinned Copper

*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.

Individually Shielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C)  Z-Fold®	**9990**	NEC: CM CEC: CM	3	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	16.0 36.0	7.3 16.4	24.0Ω/M′ 78.7Ω/km	18.0Ω/M′ 59.1Ω/km	.255	6.48	60	66%	25	82	47	154
	9991	NEC: CM CEC: CM	6	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.7 32.5 62.0	3.1 14.7 28.3	24.0Ω/M′ 78.7Ω/km	18.0Ω/M′ 59.1Ω/km	.330	8.38	60	66%	25	82	47	154
	9992	NEC: CM CEC: CM	9	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.8 42.5 86.0	4.0 19.3 39.1	24.0Ω/M′ 78.7Ω/km	18.0Ω/M′ 59.1Ω/km	.383	9.73	60	66%	25	82	47	154
	9993	NEC: CM CEC: CM	12	See Chart 3 (Tech Info Section)	100 1000	30.5 304.8	9.8 107.0	4.5 48.6	24.0Ω/M′ 78.7Ω/km	18.0Ω/M′ 59.1Ω/km	.428	10.87	60	66%	25	82	47	154
	9995	NEC: CM CEC: CM	25	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	21.2 116.0 228.0	9.7 52.7 103.6	24.0Ω/M′ 78.7Ω/km	18.0Ω/M′ 59.1Ω/km	.636	16.15	60	66%	25	82	47	154

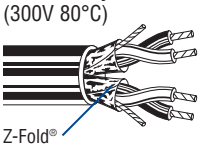
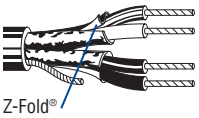
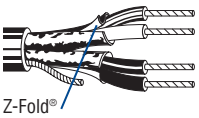
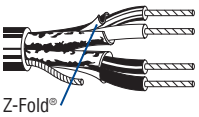
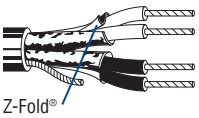
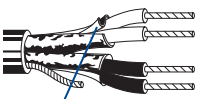
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Insulation Thickness Inch	Insulation Thickness mm	Jacket Thickness Inch	Jacket Thickness mm	Nominal OD Inch	Nominal OD mm	Nominal Capacitance * pF/ Ft.	Nominal Capacitance * pF/ m	Nominal Capacitance ** pF/ Ft.	Nominal Capacitance ** pF/ m
22 AWG Solid Conductors • TC • Twisted Pairs • Individually Shielded w/ Beldfoil (100% Coverage) • 22 AWG Solid TC Drain Wire																		
PVC Insulation • Overall Chrome PVC Jacket																		
UL AWM Style 2464 (300V 80°C)  Z-Fold®	**8767**	NEC: MPG, CMG CEC: MPG, CMG FT4	3	See Chart 3 (Tech Info Section)	U-500 500 1000	U-152.4 152.4 304.8	22.5 23.0 46.0	10.3 10.5 21.0	.013	.33	.037	.94	.279	7.10	40	131	77	253
	8768	NEC: MPG, CMG CEC: MPG, CMG FT4	6	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	46.5 92.0	21.1 41.8	.013	.33	.037	.94	.379	9.60	40	131	77	253
	8764	NEC MPG, CMG CEC: MPG, CMG FT4	9	See Chart 3 (Tech Info Section)	1000	304.8	122.0	55.5	.013	.33	.040	1.02	.425	10.80	40	131	77	253
	8765	NEC MPG, CMG CEC: MPG, CMG FT4	11	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	76.5 149.0	34.8 67.7	.013	.33	.040	1.02	.470	11.90	40	131	77	253
	8766	NEC: MPG, CMG CEC: MPG, CMG FT4	15	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	101.5 196.0	46.1 89.1	.013	.33	.045	1.14	.525	13.30	40	131	77	253

DCR = DC Resistance • TC = Tinned Copper

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

Individually Shielded

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire																		
Semi-rigid PVC Insulation • Pale Fawn Beige PVC Jacket (Shielded Pairs Parallel under Jacket)																		
UL AWM Style 2464 (300V 80°C)	**9406**	NEC: CMG CEC: CMG FT4	2	Black & White, Black & Yellow	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.8 16.5 17.0 32.0 33.0	1.7 7.5 7.7 14.5 15.0	15.0Ω/M′ 49.2Ω/km	13.0Ω/M′ 42.7Ω/km	.173 x .280	4.39 x 7.11	50	60%	50	164	95	312
 Z-Fold®																		
22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
300V RMS 60°C	**8723**	NEC: CM CEC: CM	2	Red & Black, Green & White	100 U-500 500 U-1000 1000 1640 U-2000 2000 3280 5000 10000	30.5 U-152.4 152.4 U-304.8 304.8 499.9 U-609.6 609.6 999.7 1524.0 3048.0	2.3 10.5 10.0 20.0 20.0 32.8 38.0 40.0 65.6 95.0 200.0	1.0 4.8 4.5 9.1 9.1 14.9 17.2 18.2 29.8 43.2 90.9	15.0Ω/M′ 49.2Ω/km	16.6Ω/M′ 54.5Ω/km	.160	4.06	45	66%	35	115	62	203
 Z-Fold®																		
Polypropylene Insulation • Black Low-Smoke, Zero-Halogen Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
300V RMS 60°C	**8723SB** new	NEC: CMG-LS CEC: CMG-LS FT4 Limited Smoke	2	Red & Black, Green & White	1000	304.8	26.0	11.8	14.7Ω/M′ 48.2Ω/km	15.0Ω/M′ 49.2Ω/km	.196	4.98	45	66%	35	115	62	203
 Z-Fold®																		
Plenum • FEP Insulation • Natural Flamarrest® Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
300V RMS, Non-conduit	**82723**	NEC: CMP CEC: CMP FT6	2	Red & Black, Green & White	U-500† U-1000 1000† U-2000†	U-152.4 U-304.8 304.8 U-609.6	10.5 20.0 19.0 40.0	4.8 9.1 8.6 18.1	14.7Ω/M′ 48.2Ω/km	16.6Ω/M′ 54.5Ω/km	.153	3.89	36	62%	43	141	75	246
 Z-Fold®																		
Plenum • FEP Insulation • Red FEP Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
300V RMS, Non-conduit	**88723**	NEC: CMP CEC: CMP FT6	2	Red & Black, Green & White	100† 500† 1000†	30.5 152.4 304.8	3.4 11.0 19.0	1.5 5.0 8.6	16.0Ω/M′ 52.5Ω/km	14.7Ω/M′ 48.2Ω/km	.148	3.76	40	69%	35	115	67	220
 Z-Fold®																		
Plenum • FEP Insulation • Red Fluorocopolymer Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
300V RMS, Non-conduit	**87723**	NEC: CMP CEC: CMP FT6	2	Red & Black, Green & White	500† 1000†	152.4 304.8	11.0 20.0	5.0 9.1	14.7Ω/M′ 48.2Ω/km	15.0Ω/M′ 49.2Ω/km	.148	3.76	40	69%	35	115	67	220
 Z-Fold®																		

For Plenum versions of 8723, see 88723, 87723 or 82723.

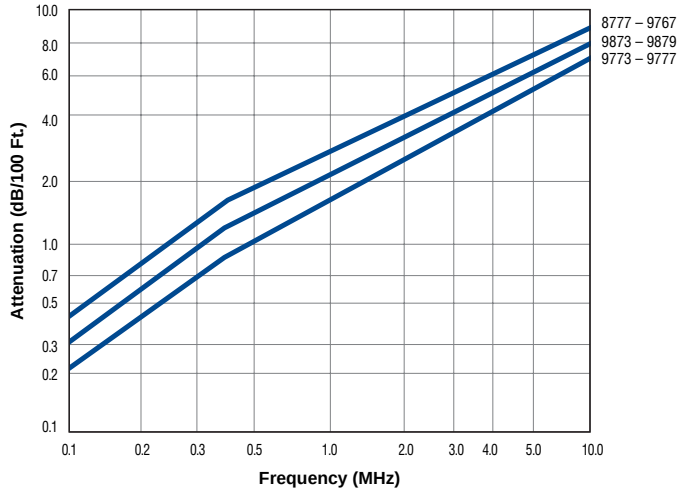
DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length show.

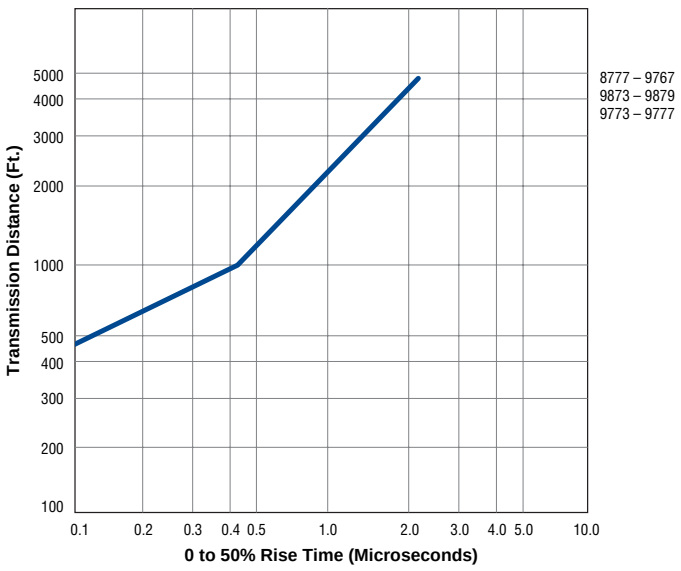
Individually Shielded

Cable Characteristics

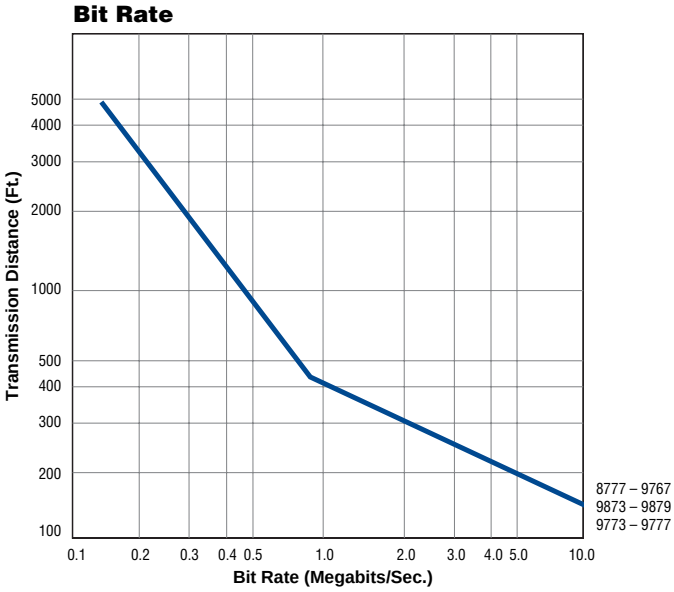
Attenuation



Rise Time



Bit Rate



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

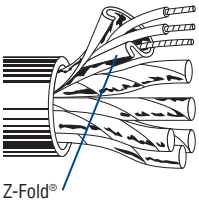
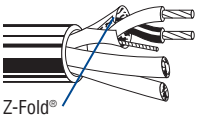
Insulation resistance between shields:
100 megohms/M′ nom.

Capacitance between adjacent shields:
115 pf/ft. nom.

Working voltage between adjacent shields:
50 volts max.

Individually Shielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C)  Z-Fold®	**8777**	NEC: CM CEC: CM	3	See Chart 3 (Tech Info Section)	100 250 U-500 500 U-1000 1000 1640 3280 5000 10000 ††	30.5 76.2 U-152.4 152.4 U-304.8 304.8 499.9 999.7 1524.0 3048.0	4.7 10.0 21.0 20.0 41.0 44.0 70.5 141.0 215.0 460.0	2.1 4.5 9.5 9.1 18.6 20.0 32.0 64.0 97.6 208.8	15.0Ω/M′ 49.2Ω/km	10.6Ω/M′ 34.8Ω/km	.273	6.93	50	66%	30	98	55	180
	8778	NEC: CM CEC: CM	6	See Chart 3 (Tech Info Section)	100 250 500 1000	30.5 76.2 152.4 304.8	8.4 19.0 43.0 83.0	3.8 8.6 19.5 37.7	15.0Ω/M′ 49.2Ω/km	10.6Ω/M′ 34.8Ω/km	.362	9.19	50	66%	30	98	55	180
	8774	NEC: CM CEC: CM	9	See Chart 3 (Tech Info Section)	100 250 500 1000	30.5 76.2 152.4 304.8	11.5 29.5 57.5 113.0	5.2 13.4 26.1 51.3	15.0Ω/M′ 49.2Ω/km	10.6Ω/M′ 34.8Ω/km	.417	10.59	50	66%	30	98	55	180
	8775	NEC: CM CEC: CM	11	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	12.1 65.5 130.0	5.5 29.7 59.0	15.0Ω/M′ 49.2Ω/km	10.6Ω/M′ 34.8Ω/km	.464	11.79	50	66%	30	98	55	180
	9768	NEC: CM CEC: CM	12	See Chart 3 (Tech Info Section)	100 250 500 1000	30.5 76.2 152.4 304.8	13.2 36.5 73.5 143.0	6.0 16.5 33.4 65.0	15.0Ω/M′ 49.2Ω/km	10.6Ω/M′ 34.8Ω/km	.464	11.79	50	66%	30	98	55	180
	8776	NEC: CM CEC: CM	15	See Chart 3 (Tech Info Section)	100 250 500 1000	30.5 76.2 152.4 304.8	17.8 49.5 98.0 197.0	8.1 22.5 44.5 89.5	15.0Ω/M′ 49.2Ω/km	10.6Ω/M′ 34.8Ω/km	.548	13.92	50	66%	30	98	55	180
	9769	NEC: CM CEC: CM	17	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	20.0 109.0 215.0	9.1 49.5 97.7	15.0Ω/M′ 49.2Ω/km	10.6Ω/M′ 34.8Ω/km	.577	14.66	50	66%	30	98	55	180
	8769	NEC: CM CEC: CM	19	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	22.9 123.0 244.0	10.4 55.8 110.8	15.0Ω/M′ 49.2Ω/km	10.6Ω/M′ 34.8Ω/km	.603	15.32	50	66%	30	98	55	180
	8773	NEC: CM CEC: CM	27	See Chart 3 (Tech Info Section)	100 250 † 500 1000	30.5 76.2 152.4 304.8	33.9 83.8 163.0 341.0	15.4 38.0 74.0 154.8	15.0Ω/M′ 49.2Ω/km	10.6Ω/M′ 34.8Ω/km	.709	18.00	50	66%	30	98	55	180
	9767	NEC: CM CEC: CM	37	See Chart 3 (Tech Info Section)	500 † 1000 †	152.4 304.8	224.0 481.0	101.8 218.6	15.0Ω/M′ 49.2Ω/km	10.6Ω/M′ 34.8Ω/km	.800	20.32	50	66%	30	98	55	180
Polypropylene Insulation • Black Low-Smoke, Zero-Halogen Jacket																		
U300V RMS, Non-conduit  Z-Fold®	**8777SB** new	NEC: CMG-LS CEC: CMG-LS FT4 Limited Smoke	3	See Chart 3 (Tech Info Section)	U-500 † U-1000 1000 †	U-152.4 U-304.8 304.8	19.5 38.0 39.0	8.9 17.3 17.7	15.0Ω/M′ 49.2Ω/km	10.6Ω/M′ 34.8Ω/km	.273	6.93	50	66%	30	98	55	180

DCR = DC Resistance • TC = Tinned Copper

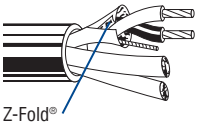
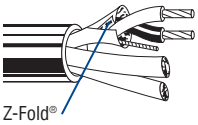
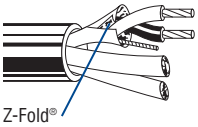
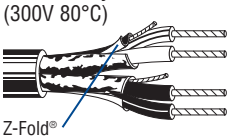
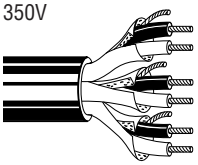
See Attenuation, Rise Time and Bit Rate Data for this series on page 5.39.

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

† Spools are one piece, but length may vary -0 to +20% 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.

Individually Shielded

Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire																		
Plenum • FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS  Z-Fold®	**82777**	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	U-500† U-1000 1000†	U-152.4 U-304.8 304.8	19.5 38.0 39.0	8.9 17.3 17.7	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.237	6.02	46	62%	35	115	76	249
	82778	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	1000†	304.8	71.0	32.2	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.314	7.98	46	62%	35	115	76	249
Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS  Z-Fold®	**88777**	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	6.0 19.0 42.0	2.7 8.6 19.1	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.234	5.94	50	69%	31	102	67	220
	88778	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	7.0 38.5 75.0	3.2 17.4 34.1	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.309	7.85	50	69%	31	102	67	220
Plenum • FEP Insulation • Red Fluorocopolymer Jacket																		
300V RMS  Z-Fold®	**87777**	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	500† 1000†	152.4 304.8	18.0 40.0	8.2 18.2	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.234	5.94	50	69%	31	102	67	220
	87778	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	500† 1000†	152.4 304.8	37.5 73.0	17.0 33.2	14.7Ω/M′ 48.2Ω/km	11.3Ω/M′ 37.1Ω/km	.309	7.85	50	69%	31	102	67	220
20 AWG Stranded (7x28) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil (100% Coverage) • 22 AWG Stranded TC Drain Wire																		
Semi-rigid PVC Insulation • Overall Chrome PVC Jacket																		
UL AWM Style 2464 (300V 80°C)  Z-Fold®	**9402**	NEC: CMG CEC: CMG FT4	2	Red & Black, Green & White	U-500 1000	U-152.4 304.8	26.0 52.0	11.8 23.7	—	—	.300 Insulation Thickness .010 Jacket Thickness .041	7.62 .25 1.04	—	—	55	180	95	312
20 AWG Stranded (10x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil (100% Coverage) • 22 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Black High-density Polyethylene Jacket																		
350V 	**9883**		3	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	28.5 57.0	12.9 25.9	6.4Ω/M′ 21.0Ω/km	11.2Ω/M′ 36.8Ω/km	.340	8.64	50	66%	30	98	55	180
	9886		6	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	56.0 108.0	25.4 49.0	6.4Ω/M′ 21.0Ω/km	11.2Ω/M′ 36.8Ω/km	.455	11.56	50	66%	30	98	55	180

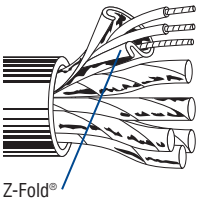
DCR = DC Resistance • TC = Tinned Copper

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

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
20 AWG Stranded (7x28) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Overall Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C)	**9873**	NEC: CM CEC: CM	3	See Chart 3 (Tech Info Section)	100 250 500 1000	30.5 76.2 152.4 304.8	6.6 14.5 32.5 58.0	3.0 6.5 14.8 26.3	10.5Ω/M′ 34.4Ω/km	14.0Ω/M′ 45.9Ω/km	.341	8.66	50	66%	30	98	55	180
	9874	NEC: CM CEC: CM	6	See Chart 3 (Tech Info Section)	100 250 500 1000	30.5 76.2 152.4 304.8	10.3 29.0 56.5 113.0	4.7 13.2 25.7 51.3	10.5Ω/M′ 34.4Ω/km	11.3Ω/M′ 37.1Ω/km	.445	11.30	50	66%	30	98	55	180
	9875	NEC: CM CEC: CM	9	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	17.7 97.0 187.0	8.1 44.0 88.4	10.5Ω/M′ 34.4Ω/km	11.3Ω/M′ 37.1Ω/km	.555	14.10	50	66%	30	98	55	180
	9876	NEC: CM CEC: CM	11	See Chart 3 (Tech Info Section)	1000	304.8	220.0	100.0	10.5Ω/M′ 34.4Ω/km	11.3Ω/M′ 37.1Ω/km	.600	15.24	50	66%	30	98	55	180
	9877	NEC: CM CEC: CM	12	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	22.1 119.0 237.0	10.1 54.1 107.7	10.5Ω/M′ 34.4Ω/km	11.3Ω/M′ 37.1Ω/km	.617	15.67	50	66%	30	98	55	180
	9879	NEC: CM CEC: CM	15	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	146.0 296.0	66.4 134.5	10.5Ω/M′ 34.4Ω/km	11.3Ω/M′ 37.1Ω/km	.689	17.50	50	66%	30	98	55	180

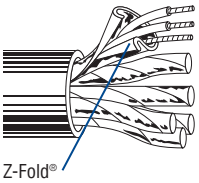


Z-Fold®

18 AWG Stranded (19x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil (100% Coverage) • 20 AWG Stranded TC Drain Wire

Polypropylene Insulation • Chrome PVC Jacket

UL AWM Style 2919 (30V 80°C)	**9773**	NEC: CM CEC: CM	3	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	10.8 52.5 107.0	4.9 23.8 48.6	6.4Ω/M′ 21.0Ω/km	8.3Ω/M′ 27.2Ω/km	.404	10.26	50	66%	30	98	55	180
	9774	NEC: CM CEC: CM	6	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	16.1 89.5 176.0	7.3 40.9 80.8	6.4Ω/M′ 21.0Ω/km	8.3Ω/M′ 27.2Ω/km	.560	14.22	50	66%	30	98	55	180
	9775	NEC: CM CEC: CM	9	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	25.8 123.0 241.0	11.7 55.8 109.4	6.4Ω/M′ 21.0Ω/km	8.3Ω/M′ 27.2Ω/km	.655	16.64	50	66%	30	98	55	180
	9776	NEC: CM CEC: CM	12	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	31.6 151.5 307.0	14.4 69.0 139.4	6.4Ω/M′ 21.0Ω/km	8.3Ω/M′ 27.2Ω/km	.735	18.67	50	66%	30	98	55	180
	9777	NEC: CM CEC: CM	15	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	38.8 194.0 421.0	17.6 88.1 191.1	6.4Ω/M′ 21.0Ω/km	8.3Ω/M′ 27.2Ω/km	.819	20.80	50	66%	30	98	55	180



Z-Fold®

DCR = DC Resistance • TC = Tinned Copper

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

See Attenuation, Rise Time and Bit Rate data for this series on page 5.39.