



Paired Cables

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Introduction

Belden® paired cable products are manufactured in a variety of gage sizes, dimensions, insulation materials, shielding configurations, and jacketing materials including Plenum and High-Temperature versions to meet the technical requirements of many different types of systems.

Paired cables allow balanced signal transmission, which results in lower crosstalk through common mode rejection. Due to the improved noise immunity of twisted pairs, they generally permit higher data speeds than multi-conductor cables.

As an aid to proper cable selection, both the suggested working voltages and the maximum temperature ratings are indicated for each applicable paired cable selection.

Most of our paired cables are available from stock. Many of these are available off the shelf from distributors. If you have a new or unusual application or you cannot find a paired cable in this catalog section that meets your technical requirements, contact Technical Support at 1-800-BELDEN-1.

Paired Cables Packaging

Belden's unique UnReel® cable dispenser is available for many of the paired cable products listed in this section. The letter "U" before the specified put-up length denotes UnReel packaging.



Selection Guide

Shielded Multi-Pair Computer Cables

RS-232, RS-422, and RS-485 Applications*

Specifications		Cable Series**															
		9804	8132	9829	8332	9501	8102	9729	8162	9990	9841	9680	9302*	8302	8777	9873	9773
Conductor Size: (AWG)	28	✓	✓														
	24			✓	✓	✓	✓	✓	✓	✓	✓	✓					
	22												✓	✓	✓		
	20															✓	
	18																✓
Page No.		5.26	5.27	5.30	5.29	5.11	5.31	5.35	5.44	5.37	5.28	5.15	5.17	5.32	5.40	5.42	5.42
Insulation:	S-R PVC				✓	✓								✓			
	Polyethylene			✓						✓	✓	✓				✓	✓
	Polypropylene	✓													✓		
	Datalene® †		✓				✓	✓	✓								
Shield:	Overall Foil					✓						✓	✓				
	Individual Foil							✓	✓	✓					✓	✓	✓
	Overall Foil/Braid	✓	✓	✓	✓		✓		✓		✓			✓			
	Braid Coverage	90%	65%	65%	65%		65%		65%		90%			65%			
Drain Wire: (see key below)		●	●	●	×	●	●	▲	▲	▲	●	●	●	×	▲	▲	▲
No. of Pairs Available:	1					✓					✓						
	2	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓			
	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
	4	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓			
	5	✓	✓	✓	✓	✓	✓		✓					✓			
	6			✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	7	✓		✓	✓	✓	✓		✓					✓			
	8		✓			✓	✓		✓					✓			
	9	✓		✓		✓		✓		✓		✓	✓		✓	✓	✓
	10			✓	✓	✓	✓		✓					✓			
	11							✓							✓	✓	
	12	✓		✓				✓		✓					✓	✓	✓
	12.5		✓		✓		✓					✓		✓			
	13	✓															
	15				✓	✓	✓	✓	✓				✓	✓	✓	✓	✓
	17							✓							✓		
	18	✓	✓	✓	✓		✓		✓					✓			
	19					✓		✓					✓		✓		
	25	✓	✓	✓	✓	✓	✓		✓	✓				✓			
	27							✓					✓		✓		
	31	✓															
	37														✓		
	50					✓											
Capacitance †† (pF/ft.)		15.5	11.0	15.5	30.0	30.0	12.5	12.5	12.5	25.0	12.8	15.5	35.0	35.0	30.0	30.0	30.0

S-R = Semi-rigid

*Refer to specifications for recommendations.

**All cables are UL-listed.

† Foam high density polyethylene.

†† Capacitance may vary on some cables.

♦ Standard PVC Insulation, solid conductors.

Drain Wire Key:

● = Drain wire overall.

▲ = Drain wire each pair.

× = No drain wire.



Unshielded

Telephone Cables

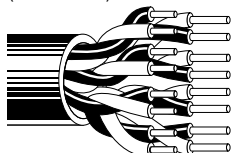
Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

24 AWG Solid Conductors • Tinned Copper • Twisted Pairs

PVC Insulation • Chrome PVC Jacket

UL AWM Style 2576
(150V 80°C)

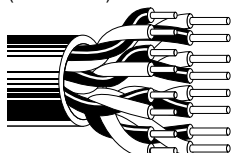


9562	NEC:	2	See	U-500	U-152.4	10.0	4.5	.010	.25	.032	.81	.199	5.05
	CMG		Chart 4	500	152.4	11.0	5.0						
	CEC:		(Tech Info	U-1000	U-304.8	20.0	9.1						
	CMG FT4		Section)	1000	304.8	21.0	9.5						
9566	NEC:	6	See	U-500	U-152.4	22.0	10.0	.010	.25	.032	.81	.289	7.34
	CMG		Chart 4	500	152.4	22.5	10.2						
	CEC:		(Tech Info	U-1000	U-304.8	43.0	19.5						
	CMG FT4		Section)	1000	304.8	45.0	20.5						
9570	NEC:	10	See	500	152.4	30.5	13.9	.010	.25	.035	.89	.310	7.87
	CMG		Chart 4	1000	304.8	63.0	28.6						
	CEC:		(Tech Info										
	CMG FT4		Section)										
9585	NEC:	25	See	500	152.4	74.0	33.6	.010	.25	.040	1.02	.480	12.19
	CMG		Chart 4	1000	304.8	144.0	65.5						
	CEC:		(Tech Info										
	CMG FT4		Section)										

22 AWG Solid Conductors • Tinned Copper • Twisted Pairs

PVC Insulation • Chrome PVC Jacket

UL AWM Style 2576
(150V 80°C)

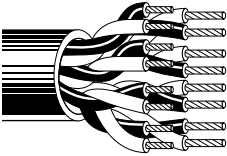


8740	NEC:	1	See	U-500	U-152.4	7.0	3.2	.010	.25	.032	.81	.156	3.96
	CMG		Chart 3	U-1000	U-304.8	13.0	5.9						
	CEC:		(Tech Info										
	CMG FT4		Section)										
8741	NEC:	2	See	U-500	U-152.4	13.0	5.9	.010	.25	.032	.81	.230	5.84
	MPG, CMG		Chart 3	U-1000	U-304.8	26.0	11.8						
	CEC:		(Tech Info	1000	304.8	25.0	11.4						
	CMG FT4		Section)										
8742	NEC:	3	See	500	152.4	17.0	7.7	.010	.25	.032	.81	.242	6.15
	MPG, CMG		Chart 3	U-1000	U-304.8	32.0	14.5						
	CEC:		(Tech Info	1000	304.8	32.0	14.5						
	CMG FT4		Section)										
8757	NEC:	4	See	500	152.4	20.0	9.1	.010	.25	.032	.81	.264	6.71
	MPG, CMG		Chart 3	U-1000	U-304.8	39.0	17.7						
	CEC:		(Tech Info	1000	304.8	40.0	18.2						
	CMG FT4		Section)										
8743	NEC:	6	See	U-500	U-152.4	27.0	12.3	.010	.25	.032	.81	.293	7.44
	MPG, CMG		Chart 3	U-1000	U-304.8	52.0	23.6						
	CEC:		(Tech Info	1000	304.8	53.0	24.1						
	CMG FT4		Section)										
9160	NEC:	8	See	500	152.4	34.5	15.7	.010	.25	.035	.89	.323	8.20
	MPG, CMG		Chart 3	1000	304.8	71.0	32.3						
	CEC:		(Tech Info										
	CMG FT4		Section)										
8744	NEC:	9	See	1000	304.8	79.0	35.9	.010	.25	.035	.89	.350	8.89
	MPG, CMG		Chart 3										
	CEC:		(Tech Info										
	CMG FT4		Section)										



Unshielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs														
PVC Insulation • Chrome PVC Jacket														
	9744	UL AWM Style 2576 (150V 80°C)	2	See Chart 3 (Tech Info Section)	U-500	U-152.4	13.5	6.1	.010	.25	.032	.81	.244	6.20
					500	152.4	14.0	6.4						
					U-1000	U-304.8	26.0	11.8						
					1000	304.8	27.0	12.3						
	9745		3	See Chart 3 (Tech Info Section)	U-500	U-152.4	17.5	8.0	.010	.25	.032	.81	.257	6.53
					500	152.4	18.0	8.2						
					U-1000	U-304.8	35.0	15.9						
					1000	304.8	36.0	16.4						
	9746		4	See Chart 3 (Tech Info Section)	500	152.4	21.5	9.8	.010	.25	.032	.81	.281	7.14
					1000	304.8	42.0	19.1						
8747		6	See Chart 3 (Tech Info Section)	100	30.5	6.2	2.8	.010	.25	.035	.89	.320	8.13	
				500	152.4	29.0	13.2							
				1000	304.8	59.0	26.8							
8748		9	See Chart 3 (Tech Info Section)	100	30.5	8.6	3.9	.010	.25	.037	.94	.389	9.88	
				500	152.4	43.5	19.8							
				1000	304.8	84.0	38.2							
9747		12	See Chart 3 (Tech Info Section)	100	30.5	11.7	5.3	.010	.25	.040	1.02	.425	10.80	
				500	152.4	55.0	25.0							
				1000	304.8	109.0	49.5							
8749		15	See Chart 3 (Tech Info Section)	500	152.4	64.0	29.1	.010	.25	.040	1.02	.440	11.18	
				1000	304.8	124.0	56.4							
9748		19	See Chart 3 (Tech Info Section)	500	152.4	81.5	37.0	.010	.25	.040	1.02	.505	12.83	
				1000	304.8	159.0	72.3							
8750		27	See Chart 3 (Tech Info Section)	500†	152.4	112.0	50.9	.010	.25	.045	1.14	.575	14.61	
				1000†	304.8	221.0	100.5							

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

Unshielded

Audio, Control and Instrumentation Cables

Plenum-Rated

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs

Plenum • FEP Insulation • Red FEP Jacket

300V RMS, Non-conduit		88442	NEC:	1	Black & Red	100	30.5	2.3	1.0	.006	.15	.012	.30	.102	2.59	
			CMP			500†	152.4	5.5	2.5							
				CEC:			1000†	304.8	10.0	4.5						
				CMP FT6												
		88741	NEC:	2	Black & Red, Black & White	500†	152.4	9.5	4.3	.006	.15	.012	.30	.169	4.29	
			CMP			1000†	304.8	21.0	9.5							
			CEC:													
			CMP FT6													
		88757	NEC:	4	Black & Red, Black & White, Black & Green, Black & Blue	500†	152.4	16.0	7.3	.006	.15	.019	.23	.200	5.08	
			CMP			1000†	304.8	33.0	15.0							
			CEC:													
			CMP FT6													

Plenum • FEP Insulation • Natural Flamarrest® Jacket

300V RMS, Non-conduit 	82442 new	NEC: CMP CEC: CMP FT6	1	Black & Red	U-1000 [†] 1000 [†]	U-304.8 304.8	83.0 84.0	37.7 38.2	.006	.15	.014	.36	.112	2.84
	82741	NEC: CMP CEC: CMP FT6	2	Black & Red, Black & White	U-1000 [†] 1000 [†]	U-304.8 304.8	18.0 21.0	8.2 9.5	.006	.15	.014	.36	.179	4.55
	82742	NEC: CMP CEC: CMP FT6	3	Black & Red, Black & White, Black & Green	U-1000 [†] 1000 [†]	U-304.8 304.8	24.0 28.0	10.9 12.7	.006	.15	.014	.36	.191	4.85
	82757	NEC: CMP CEC: CMP FT6	4	Black & Red, Black & White, Black & Green, Black & Blue	U-1000 1000 [†]	U-304.8 304.8	31.0 34.0	14.1 15.5	.006	.15	.014	.36	.210	5.33
	82743	NEC: CMP CEC: CMP FT6	6	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown	U-1000 [†] 1000 [†]	U-304.8 304.8	44.0 45.0	20.0 20.5	.006	.15	.014	.36	.237	6.02

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

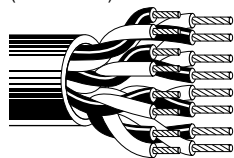


Unshielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

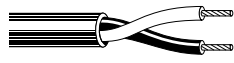
20 AWG Stranded Conductors (7x28) • Tinned Copper • Twisted Pairs

PVC Insulation • Chrome PVC Jacket														
300V RMS 	8205	NEC:	1	See Chart 3 (Tech Info Section)	100	30.5	2.5	1.1	.013	.33	.025	.64	.180	4.57
		CMG			U-500	U-152.4	9.0	4.1						
		CEC:			500	152.4	9.0	4.1						
		CMG FT4			U-1000	U-304.8	17.0	7.7						
					1000	304.8	18.0	8.2						
UL AWM Style 2464 (300V 80°C) 	9750	NEC:	3	See Chart 3 (Tech Info Section)	500	152.4	25.5	11.6	.013	.33	.035	.89	.299	7.59
		CMG			1000	304.8	50.0	22.7						
		CEC:												
		CMG FT4												
	9751	NEC:	6	See Chart 3 (Tech Info Section)	100	30.5	9.1	4.1	.013	.33	.035	.89	.366	9.30
		CMG			500	152.4	45.0	20.5						
		CEC:			1000	304.8	89.0	40.5						
		CMG FT4												
	9752	NEC:	9	See Chart 3 (Tech Info Section)	100	30.5	13.2	6.0	.013	.33	.035	.89	.429	10.90
		CMG			500	152.4	65.5	29.8						
		CEC:			1000	304.8	125.0	56.8						
		CMG FT4												
	9755	NEC:	15	See Chart 3 (Tech Info Section)	100	30.5	19.9	9.1	.013	.33	.040	1.02	.545	13.84
		CMG			1000	304.8	194.0	88.2						
		CEC:												
		CMG FT4												

19 AWG Solid Conductors • Bare Copper • Twisted Pair

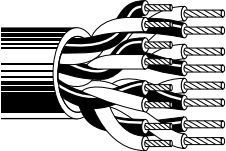
PVC Insulation • Chrome PVC Jacket														
300V RMS 	8486	NEC:	1	Brown, Tan	U-500	U-152.4	9.5	4.3	.015	.38	.025	.64	.182	4.62
		CM			U-1000	U-304.8	18.0	8.2						
		CEC:			1000	304.8	19.0	8.6						
		CM												

18 AWG Stranded Conductors (7x26) • Tinned Copper • Twisted Pair

PVC Insulation • Chrome PVC Jacket														
300V RMS 	8461	NEC:	1	Black, White	100	30.5	3.8	1.7	.022	.56	.028	.71	.234	5.94
		CMG			U-500	U-152.4	14.0	6.4						
		CEC:			500	152.4	14.0	6.4						
		CMG FT4			U-1000	U-304.8	28.0	12.7						
					1000	304.8	28.0	12.7						

Unshielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
18 AWG Stranded Conductors (16x30) • Tinned Copper • Twisted Pairs														
PVC Insulation • Chrome PVC Jacket														
	UL AWM Style 2464 (300V 80°C)	9740	NEC: CMG CEC: CMG FT4	1	See Chart 3 (Tech Info Section)	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	12.5 13.0 25.0 24.0	5.7 5.9 11.4 10.9	.014	.36	.032	.81	.210 5.33
		9156	NEC: CMG CEC: CMG FT4	2	See Chart 3 (Tech Info Section)	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	26.0 26.0 51.0 51.0	11.8 11.8 23.2 23.2	.014	.36	.035	.89	.333 8.46
		8690	NEC: CMG CEC: CMG FT4	3	See Chart 3 (Tech Info Section)	100 U-500 500 1000	30.5 U-152.4 152.4 304.8	6.9 32.5 33.5 64.0	3.1 14.8 15.2 29.1	.014	.36	.032	.81	.347 8.81
		9157	NEC: CMG CEC: CMG FT4	4	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.4 43.0 83.0	3.8 19.5 37.7	.014	.36	.032	.81	.381 9.68
		9159	NEC: CMG CEC: CMG FT4	5	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	50.0 99.0	22.7 45.0	.014	.36	.032	.81	.391 9.93
		8691	NEC: CMG CEC: CMG FT4	6	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	58.0 115.0	26.4 52.3	.014	.36	.032	.81	.433 11.00
		9161	NEC: CMG CEC: CMG FT4	8	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	15.8 78.0 152.0	7.2 35.6 69.3	.014	.36	.037	.94	.475 12.07
		8692	NEC: CMG CEC: CMG FT4	9	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	87.0 170.0	39.5 77.3	.014	.36	.040	1.02	.524 13.31
		9741	NEC: CMG CEC: CMG FT4	12	See Chart 3 (Tech Info Section)	100 1000	30.5 304.8	25.7 223.0	11.7 101.4	.014	.36	.046	1.17	.600 15.24
		9742	NEC: CMG CEC: CMG FT4	15	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	30.9 148.5 294.0	14.0 67.5 133.6	.014	.36	.051	1.30	.677 17.20
		9743	NEC: CMG CEC: CMG FT4	19	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	37.0 179.0 355.0	16.8 81.4 161.4	.014	.36	.055	1.40	.721 18.31

Unshielded

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		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

18 AWG Stranded Conductors (19x30) • Tinned Copper • Twisted Pair

Plenum • FEP Insulation • Red FEP Jacket														
	89740	NEC:	1	Black, Red	100	30.5	3.0	1.4	.006	.17	.009	.23	.136	3.45
		CMP			500 [†]	152.4	9.0	4.1						
		CEC:			1000 [†]	304.8	17.0	7.7						

CMP FT6

Plenum • FEP Insulation • Red Fluorocopolymer Jacket														
	87740	NEC:	1	Black, Red	500 [†]	152.4	9.0	4.1	.006	.17	.011	.28	.140	3.56
		CMP			1000 [†]	304.8	17.0	7.7						
		CEC:												

CMP FT6

Plenum • FEP Insulation • Natural Flamarrest® Jacket														
	82740	NEC:	1	Black, Red	U-1000	U-304.8	17.0	7.7	.006	.17	.014	.36	.146	3.71
		CMP			1000 [†]	304.8	18.0	8.2						
		CEC:												

CMP FT6

16 AWG Stranded Conductors (19x29) • Tinned Copper • Twisted Pair

PVC Insulation • Chrome PVC Jacket														
	8471	NEC:	1	Black, White	U-500	U-152.4	20.0	9.1	.023	.58	.032	.81	.274	6.96
		CMG			500	152.4	20.0	9.1						
		CEC:			U-1000	U-304.8	39.0	17.7						

CMG FT4

14 AWG Stranded Conductors (42x30) • Tinned Copper • Twisted Pair

PVC Insulation • Chrome PVC Jacket														
	8473	NEC:	1	Black, White	U-500	U-152.4	29.5	13.4	.031	.79	.032	.81	.340	8.64
		CL3			500	152.4	30.5	13.9						
		CEC:			1000	304.8	58.0	26.4						

FAS 90 FT4

See NEC Guidelines for applicable CL3 voltage ratings.

12 AWG Stranded Conductors (65x30) • Tinned Copper • Twisted Pair

PVC Insulation • Chrome PVC Jacket														
	8477	NEC:	1	Black, White	U-500	U-152.4	42.0	19.1	.032	.81	.035	.89	.386	9.80
		CL3R			500	152.4	42.0	19.1						
					1000	304.8	83.0	37.7						

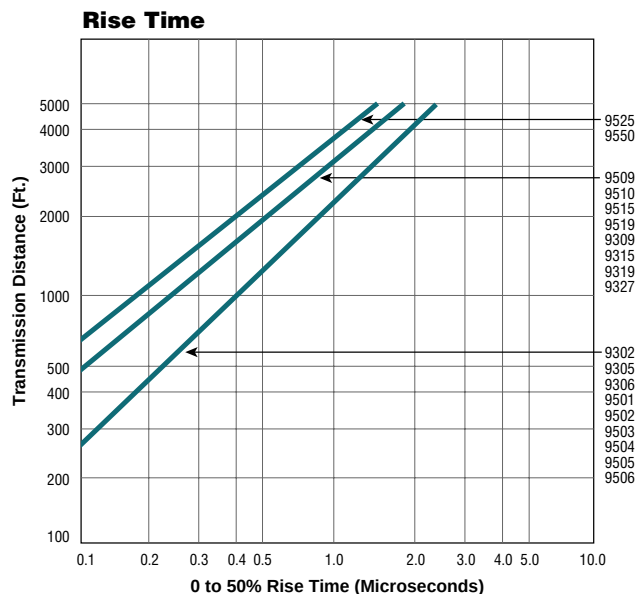
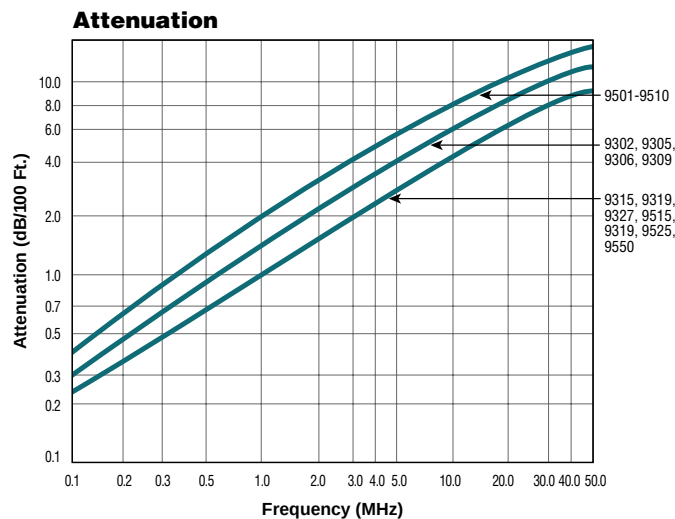
See NEC Guidelines for applicable CL3 voltage ratings.

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

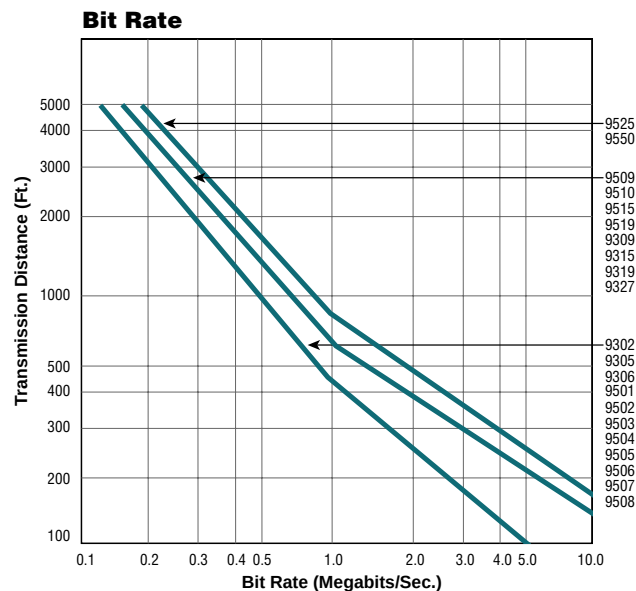


Overall Beldfoil® Shield

Cable Characteristics



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



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



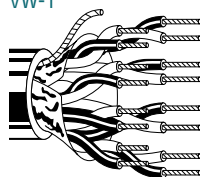
Overall Beldfoil® Shield

High-Temperature Control and Instrumentation Cables
and 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		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

20 AWG Stranded Conductors (7x28) • Tinned Copper • Pairs Cabled Together • Overall 100% Beldfoil Aluminum-Kapton® Shield • Drain Wire

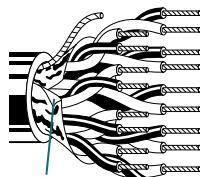
Tefzel® Insulation • Clear Tefzel Material Jacket

High-Temperature 300V RMS, 150°C VW-1 	85164	4	Black & Red, Black & White, Black & Green, Black & Blue	100	30.5	8.4	3.8	.015	.38	.025	.64	.344	8.74	23	75	40	131
				500†	152.4	37.0	16.8										
				1000†	304.8	71.0	32.3										
	85168	8	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White	100	30.5	13.5	6.1	.015	.38	.025	.64	.439	11.15	23	75	40	131
				500†	152.4	62.0	28.2										
				1000†	304.8	126.0	57.3										

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 Conductors (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire

Semi-rigid PVC Insulation • Chrome PVC Jacket

UL AWM Style 2464 (300V 80°C) CSA AWM I A 	9501	NEC: CMG CEC: CMG FT4	1	See Chart 3 (Tech Info Section)	100	30.5	2.1	1.0	24.0Ω/M'	18.0Ω/M'	.156	3.96	75	60%	40	131	74	243
					U-500	U-152.4	7.5	3.4	78.7Ω/km	59.1Ω/km								
					500	152.4	7.0	3.2										
					U-1000	U-304.8	14.0	6.4										
	9502††	NEC: CMG CEC: CMG FT4 P-MSHA-SC-7K-182037	2	See Chart 3 (Tech Info Section)	100	30.5	3.7	1.7	24.0Ω/M'	17.0Ω/M'	.222	5.64	75	60%	30	98	50	164
					U-500	U-152.4	14.5	6.6	78.7Ω/km	55.8Ω/km								
					500	152.4	15.0	6.8										
					U-1000	U-304.8	28.0	12.7										
	9503	NEC: CMG CEC: CMG FT4	3	See Chart 3 (Tech Info Section)	100	30.5	3.9	1.8	24.0Ω/M'	17.0Ω/M'	.232	5.89	75	60%	30	98	50	164
					U-500	U-152.4	14.5	6.6	78.7Ω/km	55.8Ω/km								
					500	152.4	15.0	6.8										
					U-1000	U-304.8	29.0	13.2										
	9504	NEC: CMG CEC: CMG FT4	4	See Chart 3 (Tech Info Section)	100	30.5	4.5	2.0	24.0Ω/M'	17.0Ω/M'	.265	6.73	75	60%	30	98	50	164
					U-500	U-152.4	17.5	8.0	78.7Ω/km	55.8Ω/km								
					500	152.4	18.0	8.2										
					U-1000	U-304.8	35.0	15.9										
	9505	NEC: CMG CEC: CMG FT4	5	See Chart 3 (Tech Info Section)	100	30.5	5.5	2.5	24.0Ω/M'	17.0Ω/M'	.289	7.34	75	60%	30	98	50	164
					U-500	U-152.4	22.0	10.0	78.7Ω/km	55.8Ω/km								
					500	152.4	22.5	10.2										
					U-1000	U-304.8	43.0	19.5										
					1000	304.8	44.0	20.0										

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.

†† Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration certification. Request quotations of RG/U cables not listed.

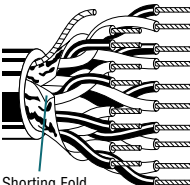
See Attenuation, Rise Time and Bit Rate data for this series on page 5.10.

Tefzel and Kapton are DuPont trademarks.



Overall Beldfoil® Shield

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. of (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) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire <i>(continued)</i>																		
Semi-rigid PVC Insulation • Chrome PVC Jacket																		
 Shorting Fold	9506	NEC:	6	See	100	30.5	5.8	2.6	24.0Ω/M'	16.0Ω/M'	.289	7.34	75	60%	30	98	50	164
		CMG		Chart 3	U-500	U-152.4	23.5	10.7	78.7Ω/km	52.5Ω/km								
	CEC:	(Tech Info	500	152.4	24.0	10.9			For Plenum version of 9506,									
	CMG FT4	Section)	U-1000	U-304.8	47.0	21.4			see 82506.									
			1000	304.8	47.0	21.4												
	9507	NEC:	7	See	100	30.5	6.3	2.9	24.0Ω/M'	16.5Ω/M'	.294	7.47	75	60%	30	98	50	164
		CMG		Chart 3	U-500	U-152.4	26.0	11.8	78.7Ω/km	54.1Ω/km								
	CEC:	(Tech Info	500	152.4	26.5	12.0												
	CMG FT4	Section)	U-1000	U-304.8	51.0	23.2												
			1000	304.8	52.0	23.6												
9508	NEC:	8	See	100	30.5	6.4	2.9	24.0Ω/M'	16.5Ω/M'	.324	8.23	75	60%	30	98	50	164	
	CMG		Chart 3	500	152.4	30.0	13.6	78.7Ω/km	54.1Ω/km									
CEC:	(Tech Info	1000	304.8	61.0	27.7													
CMG FT4	Section)																	
9509	NEC:	9	See	100	30.5	7.0	3.2	24.0Ω/M'	16.5Ω/M'	.334	8.48	75	60%	30	98	50	164	
	CMG		Chart 3	500	152.4	33.0	15.0	78.7Ω/km	54.1Ω/km									
CEC:	(Tech Info	1000	304.8	69.0	31.4			For Plenum version of 9509,										
CMG FT4	Section)							see 82509.										
9510	NEC:	10	See	100	30.5	7.6	3.5	24.0Ω/M'	16.5Ω/M'	.368	9.34	75	60%	30	98	50	164	
	CMG		Chart 3	500	152.4	39.0	17.7	78.7Ω/km	54.1Ω/km									
CEC:	(Tech Info	1000	304.8	75.0	34.1													
CMG FT4	Section)																	
9515	NEC:	15	See	100	30.5	10.4	4.7	24.0Ω/M'	16.5Ω/M'	.417	10.6	75	60%	30	98	50	164	
	CMG		Chart 3	500	152.4	52.0	23.6	78.7Ω/km	54.1Ω/km									
CEC:	(Tech Info	1000	304.8	102.0	46.4													
CMG FT4	Section)																	
9519	NEC:	19	See	100	30.5	12.9	5.9	24.0Ω/M'	16.5Ω/M'	.448	11.4	75	60%	30	98	50	164	
	CMG		Chart 3	500	152.4	61.5	28.0	78.7Ω/km	54.1Ω/km									
CEC:	(Tech Info	1000	304.8	122.0	55.5													
CMG FT4	Section)																	
9525	NEC:	25	See	100	30.5	16.2	7.4	24.0Ω/M'	16.5Ω/M'	.503	12.8	75	60%	30	98	50	164	
	CMG		Chart 3	500	152.4	80.5	36.6	78.7Ω/km	54.1Ω/km									
CEC:	(Tech Info	1000	304.8	156.0	70.9													
CMG FT4	Section)																	
9550	NEC:	50	Request	100	30.5	30.9	14.0	24.0Ω/M'	15.2Ω/M'	.708	18.0	75	60%	30	98	50	164	
	CMG		Technical	500 [†]	152.4	153.5	69.8	78.7Ω/km	49.9Ω/km									
CEC:	Bulletin	1000 [†]	304.8	311.0	141.4													
CMG FT4	T/8-4																	

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 -0% to +20% from length shown.

See Attenuation, Rise Time and Bit Rate data for this series on page 5.10.



Overall Beldfoil® Shield

Computer Cables for EIA RS-232 Applications

Plenum-Rated

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

24 AWG Stranded Conductors (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire

Plenum • FEP Insulation • Natural Flamarrest® Jacket

	300V RMS, Non-conduit	82641	NEC: CMP CEC: CMP FT6	1	Black, Red	U-1000† 1000†	U-304.8 304.8	9.0 10.0	4.1 4.5	.006 .15	.014 .36	.106 2.69	31	102	59	194
		82502	NEC: CMP CEC: CMP FT6	2	Black & White, Black & Red	U-500† U-1000† 1000†	U-152.4 U-304.8 304.8	8.0 15.0 16.0	3.6 6.8 7.3	.006 .15	.014 .36	.162 4.11	25	82	45	148
		82503	NEC: CMP CEC: CMP FT6	3	Black & White, Black & Red, Black & Green	U-1000† 1000†	U-304.8 304.8	19.0 20.0	8.6 9.1	.006 .15	.014 .36	.169 4.29	25	82	45	148
		82504	NEC: CMP CEC: CMP FT6	4	Black & White, Black & Red, Black & Green, Black & Blue	U-1000† 1000†	U-304.8 304.8	24.0 27.0	10.9 12.3	.006 .15	.014 .36	.193 4.90	25	82	45	148
		82505	NEC: CMP CEC: CMP FT6	5	See Chart 3 (Tech Info Section)	U-1000† 1000†	U-304.8 304.8	30.0 33.0	13.6 15.0	.006 .15	.015 .38	.196 4.98	25	82	45	148
		82506	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	U-500† U-1000† 1000†	U-152.4 U-304.8 304.8	17.5 34.0 37.0	8.0 15.5 16.8	.006 .15	.015 .38	.209 5.31	25	82	45	148
		82509	NEC: CMP CEC: CMP FT6	9	See Chart 3 (Tech Info Section)	1000†	304.8	49.0	22.3	.006 .15	.015 .38	.246 6.25	23	75	42	138

Plenum • FEP Insulation • Red FEP Jacket

	300V RMS, Non-conduit	88641	NEC: CMP CEC: CMP FT6	1	Black, Red	100 500† 1000†	30.5 152.4 304.8	2.4 6.0 11.0	1.1 2.7 5.0	.006 .15	.014 .36	.106 2.69	31	102	59	194
		89503	NEC: CMP CEC: CMP FT6	3	Black & White, Black & Red, Black & Green	100 500† 1000†	30.5 152.4 304.8	4.0 12.0 23.0	1.8 5.5 10.5	.006 .15	.014 .36	.175 4.45	21.0	69	40	131
		89504	NEC: CMP CEC: CMP FT6	4	Black & White, Black & Red, Black & Green, Black & Blue	500† 1000†	152.4 304.8	14.5 31.0	6.6 14.1	.006 .15	.014 .36	.192 4.88	21	69	40	131
		89505	NEC: CMP CEC: CMP FT6	5	Black & White, Black & Red, Black & Green, Black & Blue, Black & Yellow	100 1000†	30.5 304.8	4.9 35.0	2.2 15.9	.006 .15	.014 .36	.197 5.00	21	69	40	131

TC = Tinned Copper

*Capacitance between conductors.

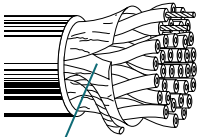
**Capacitance between one conductor and other conductors connected to shield.

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



Overall Beldfoil® 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 Conductors (7x36) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 28 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
 Z-Fold®	UL AWM Style 2919 (30V 80°C)	8132FO new	NEC: CL2	2	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	10.5 20.0	4.8 9.1	65.0Ω/M' 213.0Ω/km	23.1Ω/M' 75.8Ω/km	.215 5.46	120	78%	11.0	36.1	20.0	65.6
		8133FO new	NEC: CL2	3	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	13.0 26.0	5.9 11.8	65.0Ω/M' 213.0Ω/km	23.1Ω/M' 75.8Ω/km	.250 6.35	120	78%	11.0	36.1	20.0	65.6
		8134FO new	NEC: CL2	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	16.5 31.0	7.5 14.1	65.0Ω/M' 213.0Ω/km	20.0Ω/M' 65.6Ω/km	.270 6.86	120	78%	11.0	36.1	20.0	65.6
		8135FO new	NEC: CL2	5	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	17.0 32.0	7.7 14.5	65.0Ω/M' 213.0Ω/km	20.0Ω/M' 65.6Ω/km	.280 7.11	120	78%	11.0	36.1	20.0	65.6
		8138FO new	NEC: CL2	8	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	22.0 42.0	10.0 19.1	65.0Ω/M' 213.0Ω/km	17.7Ω/M' 58.1Ω/km	.310 7.88	120	78%	11.0	36.1	20.0	65.6
		8142FO new	NEC: CL2	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	27.5 54.0	12.5 24.5	65.0Ω/M' 213.0Ω/km	17.7Ω/M' 58.1Ω/km	.385 9.78	120	78%	11.0	36.1	20.0	65.6
		8148FO new	NEC: CL2	18	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	38.5 75.0	17.5 34.1	65.0Ω/M' 213.0Ω/km	15.8Ω/M' 51.8Ω/km	.445 11.31	120	78%	11.0	36.1	20.0	65.6
	8155FO new	NEC: CL2	25	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	42.0 80.0	19.1 36.4	65.0Ω/M' 213.0Ω/km	14.3Ω/M' 4.7Ω/km	.545 13.85	120	78%	11.0	36.1	20.0	65.6	

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

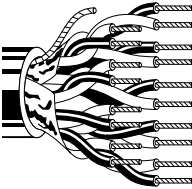
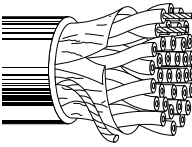
**Capacitance between one conductor and other conductors connected to shield.

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 Beldfoil® 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 Conductors (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
	UL AWM Style 2919 (30V 80°C)	9680	NEC: CM CEC: CM	3 (Tech Info Section)	500 1000	152.4 304.8	19.0 38.0	8.6 17.3	24.0Ω/M' 78.7Ω/km	14.4Ω/M' 47.2Ω/km	.282	7.16	100	66%	15.5	50.8	27.5	90.2
		9681	NEC: CM CEC: CM	4 (Tech Info Section)	500 1000	152.4 304.8	22.5 45.0	10.2 20.5	24.0Ω/M' 78.7Ω/km	14.4Ω/M' 47.2Ω/km	.307	7.80	100	66%	15.5	50.8	27.5	90.2
		9682	NEC: CM CEC: CM	6 (Tech Info Section)	500 1000	152.4 304.8	29.5 56.0	13.4 25.5	24.0Ω/M' 78.7Ω/km	13.1Ω/M' 43.0Ω/km	.342	8.69	100	66%	15.5	50.8	27.5	90.2
		9683	NEC: CM CEC: CM	9 (Tech Info Section)	500 1000	152.4 304.8	40.0 79.0	18.2 35.9	24.0Ω/M' 78.7Ω/km	12.0Ω/M' 39.4Ω/km	.397	10.10	100	66%	15.5	50.8	27.5	90.2
		9684	NEC: CM CEC: CM	12.5 (12 pairs + 1 single) (Tech Info Section)	500 1000	152.4 304.8	49.5 97.0	22.6 44.1	24.0Ω/M' 78.7Ω/km	12.0Ω/M' 39.4Ω/km	.445	11.30	100	66%	15.5	50.8	27.5	90.2
Datalene® Insulation • Chrome PVC Jacket																		
	UL AWM Style 2919 (30V 80°C)	1419A	NEC: CM CEC: CM	2 (Tech Info Section)	500 1000 10000	152.4 304.8 3048.0	15.5 30.0 310.0	7.0 13.6 140.9	24.0Ω/M' 78.7Ω/km	15.1Ω/M' 49.5Ω/km	.248	6.30	100	78%	13	42.7	22	72
		1420A	NEC: CM CEC: CM	3 (Tech Info Section)	500 1000 10000	152.4 304.8 3048.0	17.0 34.0 340.0	7.7 15.5 154.5	24.0Ω/M' 78.7Ω/km	15.1Ω/M' 49.5Ω/km	.261	6.63	100	78%	13	42.7	22	72
		1421A	NEC: CM CEC: CM	4 (Tech Info Section)	500 1000	152.4 304.8	18.5 37.0	8.4 16.8	24.0Ω/M' 78.7Ω/km	14.4Ω/M' 47.2Ω/km	.280	7.11	100	78%	13	42.7	22	72
		1422A	NEC: CM CEC: CM	5 (Tech Info Section)	500 1000	152.4 304.8	23.0 43.0	10.5 19.5	24.0Ω/M' 78.7Ω/km	14.4Ω/M' 47.2Ω/km	.294	7.47	100	78%	13	42.7	22	72
		1423A	NEC: CM CEC: CM	6 (Tech Info Section)	500 1000 10000	152.4 304.8 3048.0	25.0 48.0 500.0	11.4 21.8 227.3	24.0Ω/M' 78.7Ω/km	13.0Ω/M' 42.7Ω/km	.319	8.10	100	78%	13	42.7	22	72
		1424A	NEC: CM CEC: CM	12.5 (12 pairs + 1 single) (Tech Info Section)	500 1000	152.4 304.8	42.0 83.0	19.1 37.7	24.0Ω/M' 78.7Ω/km	13.0Ω/M' 42.7Ω/km	.418	10.62	100	78%	13	42.7	22	72
	1425A	NEC: CM CEC: CM	15 (Tech Info Section)	500 1000	152.4 304.8	53.0 99.0	24.1 45.0	24.0Ω/M' 78.7Ω/km	11.2Ω/M' 36.7Ω/km	.473	12.01	100	78%	13	42.7	22	72	

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 Beldfoil® Shield

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		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

24 AWG Stranded Conductors (7x32) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield[▲] • 24 AWG Stranded TC Drain Wire

Polyolefin Insulation • Black Matte PVC Jacket

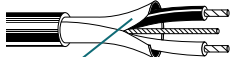
High-Flex 300V RMS	1508A		1	Black, Red	500	152.4	5.5	2.5	.008	.20	.024	.61	.131	3.33	31	102	58	190
					1000	304.8	12.0	5.5										



Jacket and shield are bonded so both can be removed with automatic stripping equipment.

Polypropylene Insulation • Gray PVC Jacket

300V RMS	1883A	NEC: CMR CEC: CMG FT4	1	Black, Red	U-1000*	U-304.8	12.0	5.5	.008	.20	.020	.51	.123	3.12	31	102	58	190
					1000	304.8	12.0	5.5										



Z-Fold®

* U-1000 ft. put-up also available in Brown, Red, Orange, Yellow, Green, Blue, Violet, White or Black.
Jacket and shield are bonded so both can be removed with automatic stripping equipment.

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 2092 (300V 60°C)	8641	NEC: CM CEC: CM	1	Black, Clear	100	30.5	2.1	1.0	.016	.41	.025	.64	.168	4.27	22	72	42	138
					U-500	U-152.4	7.0	3.2										
					500	152.4	7.0	3.2										
					U-1000	U-304.8	13.0	5.9										
					1000	304.8	14.0	6.4										
					2000	609.6	26.0	11.8										



For Plenum versions of 8641,
see 88641 or 82641.

Plenum • FEP Insulation • Red FEP Jacket

300V RMS, Non-conduit	88641	NEC: CMP CEC: CMP FT6	1	Black, Red	100	30.5	2.4	1.1	.006	.15	.014	.36	.106	2.69	31	102	59	194
					500†	152.4	6.0	2.7										
					1000†	304.8	11.0	5.0										



Plenum • FEP Insulation • Natural Flamarrest® Jacket

300V RMS, Non-conduit	82641	NEC: CMP CEC: CMP FT6	1	Black, Red	U-1000†	U-304.8	9.0	4.1	.006	.15	.014	.36	.106	2.69	31	102	59	194
					1000†	304.8	10.0	4.5										



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.

▲ Beldfoil provides high reliability with ease of termination.



Overall Beldfoil® Shield

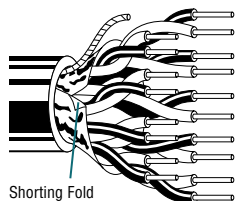
Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

22 AWG Solid Conductors • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 22 AWG Stranded TC Drain Wire

PVC Insulation • Chrome PVC Jacket

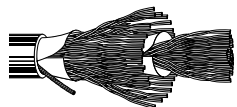
UL AWM Style 2464
(300V 80°C)



Shorting Fold

9302	NEC: CMG CEC: CMG FT4	2	See Chart 3 (Tech Info Section)	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	15.0 15.5 30.0 30.0	6.8 7.0 13.6 13.6	.013 .33 .032 .81	.244 6.20	35 115	50 164
9305	NEC: CMG CEC: CMG FT4	4	See Chart 3 (Tech Info Section)	100 500 U-1000 1000	30.5 152.4 U-304.8 304.8	5.6 22.5 44.0 44.0	2.5 10.2 20.0 20.0	.013 .33 .032 .81	.265 6.73	35 115	50 164
9306	NEC: CMG CEC: CMG FT4	6	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	30.5 62.0	13.9 28.2	.013 .33 .032 .81	.315 8.00	35 115	50 164
9309	NEC: CMG CEC: CMG FT4	9	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	44.5 86.0	20.2 39.1	.013 .33 .033 .84	.363 9.22	35 115	50 164
9315	NEC: CMG CEC: CMG FT4	15	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	67.0 133.0	30.5 60.5	.013 .33 .037 .94	.449 11.41	35 115	50 164
9319	NEC: CMG CEC: CMG FT4	19	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	85.0 165.0	38.6 75.0	.013 .33 .040 1.02	.495 12.57	35 115	50 164
9327	NEC: CMG CEC: CMG FT4	27	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	116.0 230.0	52.7 104.5	.013 .33 .045 1.14	.615 15.62	35 115	50 164

300V RMS, 60°C



8751	NEC: CMG CEC: CMG FT4	51	Request Technical Bulletin T/8-4	1000†	304.8	384.0	174.5	.010 .25 .050 1.27	.710 18.03	30 98	42.8 140
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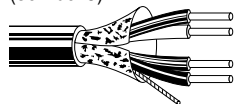
For 38-pair polypropylene version of 8751, see 8752.

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 Conductors • Tinned Copper • Twisted Pairs • 100% Duofoil® Shield • 22 AWG Stranded Tinned Copper Drain Wire

Datalene® Insulation • Black PVC Jacket

UL AWM Style 2668
(30V 60°C)



9184	NEC: CM CEC: CM	2	Black & Yellow, Red & Blue	500 1000	152.4 304.8	30.5 59.0	13.9 26.8	16.5Ω/M' 54.13Ω/km	8.0Ω/M' 26.2Ω/km	.385 9.78	150 78%	8.7 28.5	14.1 46.3
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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 -0 to +20% from length shown.

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.

See Attenuation, Rise Time and Bit Rate data for this series on page 5.10.



Overall Beldfoil® Shield

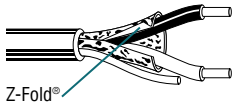
Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

22 AWG Solid Conductors • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 22 AWG Solid TC Drain Wire*

Polypropylene Insulation • Gray or Black PVC Jacket

300V RMS 105°C	8450	NEC: CM	1	Black, Red	U-500 [†] U-1000 [†]	U-152.4 U-304.8	7.0 13.0	3.2 5.9	.007 1000	.18 304.8	.018 13.0	.46 5.9	.118 3.00	40	131	76	249
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Z-Fold®

*U-500 ft. and U-1000 ft. put-ups available in Black only.

Belden's Miniature Type Broadcast Audio and Instrumentation Cables occupy 1/2 to 2/3 less space than standard cables.

Polypropylene Insulation • Chrome PVC Jacket

200V RMS 80°C	8752		38	Request Tech Bulletin T/8-4	250 [†] 1000 [†]	76.2 304.8	65.0 256.0	29.5 116.4	.008 1000	.20 304.8	.045 256.0	1.14 116.4	.610 15.50	17	56	24.3	80
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*8752 has a stranded tinned copper drain wire.

22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 22 AWG Stranded TC Drain Wire

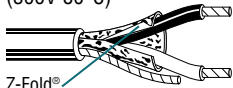
Semi-rigid PVC Insulation • Pale Fawn Beige Jacket-Striated PVC

UL AWM Style 2464 (300V 80°C)	9414	NEC: CMG	1	White, Black	U-500 500	U-152.4 152.4	12.0 11.5	5.5 5.2	.010 500	.254 152.4	.035 10.5	.89 22.9	.180 4.60	50	164	95	312
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PVC Insulation • Chrome PVC Jacket

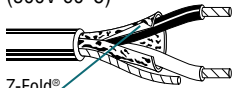
UL AWM Style 2464 (300V 80°C)	9462	NEC: CMG	1	Black, Red	100 U-500 500	30.5 U-152.4 152.4	3.0 11.0 10.5	1.4 5.0 4.8	.013 100 500	.33 82.5 127.0	.035 8.9 10.5	.89 22.9 26.7	.186 4.70	50	164	90	295
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Z-Fold®

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 2092 (300V 60°C)	8761	NEC: CM	1	Black, Clear	U-500 500	U-152.4 152.4	9.0 9.0	4.1 4.1	.016 500	.41 104.1	.025 6.4	.64 16.3	.175 4.45	24	79	47	154
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Z-Fold®

For Plenum versions of 8761,
see 88761, 87761 or 82761.

UL AWM Style 2092 (300V 60°C)	9461	NEC: CM	1	Black, Clear	U-500 U-1000	U-152.4 U-304.8	11.0 21.0	5.0 9.6	.016 1000	.41 104.1	.026 6.6	.66 16.8	.180 4.57	24	79	47	154
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The jacket and shield are bonded so both can be removed on automatic stripping equipment.

TC = Tinned Copper

*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.

††Length may vary -10% to +20% and may contain 2 pieces. Minimum length of any piece is 1500 ft.

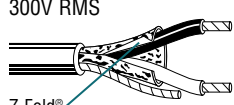


Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

22 AWG Stranded (7x30) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 22 AWG Stranded TC Drain Wire (continued)

Polypropylene Insulation • Paper Wrap • Gray or Black PVC Jacket																		
300V RMS 	8451	NEC:	1	Black, Red	100*	30.5	2.7	1.2	.008	.20	.020	.51	.138	3.51	34	111	67	220
		CM			U-500	U-152.4	7.5	3.4										
		CEC:			500	152.4	8.0	3.6										
		CM			U-1000	U-304.8	14.0	6.4										
					1000	304.8	15.0	6.8										

Z-Fold®

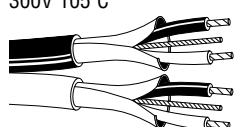
*100 ft. put-up available in Black only.

Belden's Miniature Type Broadcast Audio and Instrumentation Cables occupy 1/2 to 2/3 less space than standard cables. Unique paper separator facilitates jacket stripping.

Polypropylene Insulation • PVC Jacket (Available in Black, Gray, Brown, Red, Orange, Yellow, Green, Blue, Violet or White)																		
300V RMS 	9451	NEC:	1	Black, Red	U-500*	U-152.4	8.0	3.6	.008	.20	.020	.51	.135	3.43	34	111	67	220
		CMR			500*	152.4	8.0	3.6										
		CEC:			T-1000*	T-304.8	17.0	7.7										
		CMG FT4			U-1000	U-304.8	15.0	6.8										
					5000	1524.0	74.5	33.9										

*U-500 ft., 500 ft. and T-1000 ft. put-ups available in Gray only.

The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

Polyolefin Insulation • PVC Jacket in Zip-Cord Construction (Red & Green, Red & Black, Red & Purple or Red & Gray)																		
300V 105°C 	9451D new	NEC:	2	Black, Red	U-1000	U-304.8	28.0	12.7	.008	.20	.020	.51	.135	3.43	34	112	67	220
		CMR			2000*	620.8	60.0	27.3					x	x				
		CEC:																
		CMG FT4											.270	6.86				

*2000 ft. put-up available in Red & Green only.

The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire

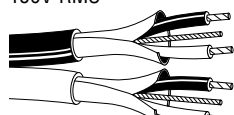
Polypropylene Insulation • PVC Jacket (Available in Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White or Black)																		
300V RMS 	1266A	NEC:	1	Black, Red	U-1000	U-304.8	15.0	6.8	.010	.25	.020	.51	.145	3.68	30	99	54	177
		CM			1000†	304.8	15.0	6.8										
		CEC:																
		CM																

†1000 ft. put-up available in Black only.

Unique design features lower capacitance and greater flexibility than standard audio pair constructions.

PVC Insulation • PVC Jacket (Available in Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White or Black)																		
300V 90°C 	1503A	NEC:	1	Black, Red	U-1000	U-304.8	16.0	7.3	.010	.25	.020	.51	.142	3.61	53	174	97	318
		CM																
		CEC:																
		CM																

22 AWG Stranded Conductors (19x34) • Tinned Copper • Dual Twisted Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire

PVC Insulation • PVC Jacket in Zip-Cord Construction (Red & Green, Red & Black, Red & Purple or Red & Gray)																		
Stereo Audio 150V RMS 	1504A	NEC:	2	Black, Red	U-1000	U-304.8	33.0	15.0	.010	.25	.020	.51	.143	3.63	57	187	100	328
		CM			2000††	609.8	68.0	30.9					x	x				
		CEC:																
		CM																
													.286	7.26				

††2000 ft. put-up available in Red & Gray or Red & Green only.

The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

TC = Tinned Copper

*Capacitance between conductors.

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

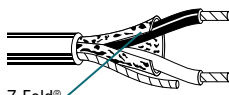


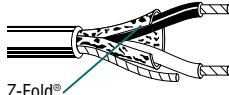
Overall Beldfoil® Shield

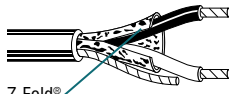
Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

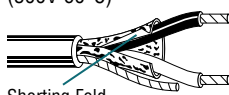
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 22 AWG Stranded TC Drain Wire

Plenum • FEP Insulation • Red FEP Jacket																		
 Z-Fold®	88761	NEC:	1	Black, Red	100	30.5	2.7	1.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
		CMP			U-500	U-152.4	7.0	3.2										
		CEC:			500†	152.4	7.5	3.4										
		CMP FT6			U-1000	U-304.8	13.0	5.9										
					1000†	304.8	14.0	6.4										

Plenum • FEP Insulation • Red Fluorocopolymer Jacket																		
 Z-Fold®	87761	NEC:	1	Black, Red	500†	152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
		CMP			1000†	304.8	13.0	5.9										
		CEC:																
		CMP FT6																

Plenum • FEP Insulation • Natural Flamarrest® Jacket																		
 Z-Fold®	82761	NEC:	1	Black, Red	U-500†	U-152.4	6.5	3.0	.006	.15	.014	.36	.116	2.95	35	115	67	220
		CMP			U-1000†	U-304.8	12.0	5.5										
		CEC:			1000†	304.8	13.0	5.9										
		CMP FT6																

20 AWG Stranded Conductors (7x28) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 20 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket																		
 Shorting Fold	8762	NEC:	1	Black, Clear	100	30.5	3.2	1.5	.016	.41	.028	.71	.204	5.18	27	89	49	161
		CM			250	76.2	6.3	2.8										
		CEC:			U-500	U-152.4	12.0	5.5										
		CM			500	152.4	12.0	5.5										
					U-1000	U-304.8	23.0	10.5										
					1000	304.8	23.0	10.5										
					2000	609.6	46.0	20.9										
	9464	NEC:	1	Black, Clear	U-500	U-152.4	16.5	7.5	.016	.41	.035	.89	.214	5.44	27	89	49	161
		CM			U-1000	U-304.8	33.0	15.0										
		CEC:																
		CM																

The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is on the inside of foil shield.

PVC Insulation • Beige PVC Jacket																		
 Z-Fold®	9154	NEC:	1	Black, Red	U-500	U-152.4	11.5	5.2	.014	.36	.031	.79	.198	5.03	60	197	100	328
		CMG			500	152.4	12.0	5.5										
		CEC:			U-1000	U-304.8	23.0	10.5										
		CMG FT4			1000	304.8	23.0	10.5										

9154 has 22 AWG stranded tinned copper drain wire.

*Capacitance between conductors.

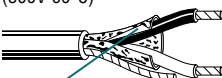
**Capacitance between one conductor and other conductors connected to shield.

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



Overall Beldfoil® Shield

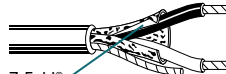
Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
18 AWG Stranded Conductors (16x30) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 20 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2092 (300V 60°C)	8760	NEC:	1	Black, Clear	250	76.2	6.8	3.1	.019	.48	.028	.71	.222	5.64	24	79	44	144
 Shorting Fold		CM			U-500	U-152.4	13.0	5.9										
		CEC:			500	152.4	13.0	5.9										
		CM			U-1000	U-304.8	26.0	11.8										
					1000	304.8	25.0	11.4										
					2000	609.6	50.0	22.7										
					5000	1524.0	135.0	61.4										
					10000	3048.0	260.0	118.2										
For Plenum versions of 8760, see 88760, 87760 or 82760.																		
	9460	NEC:	1	Black, Clear	U-500	U-152.4	18.5	8.4	.019	.48	.030	.76	.230	5.84	24	79	44	144
		U-1000			U-304.8	36.0	16.4											
		CEC: CM																

The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is on the inside of foil shield.

18 AWG Stranded Conductors (19x30) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 20 AWG Stranded TC Drain Wire

Plenum • FEP Insulation • Red FEP Jacket																		
 300V RMS, Non-conduit Z-Fold®	88760	NEC:	1	Black, Red	100	30.5	3.7	1.7	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP			U-500	U-152.4	12.5	5.7										
		CEC:			500†	152.4	13.0	5.9										
		CMP FT6			U-1000	U-304.8	24.0	10.9										
					1000†	304.8	24.0	10.9										

Plenum • FEP Insulation • Red Fluorocopolymer Jacket																		
 300V RMS, Non-conduit Z-Fold®	87760	NEC:	1	Black, Red	U-500	U-152.4	12.0	5.5	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP			500†	152.4	12.5	5.7										
		CEC:			1000†	304.8	23.0	10.5										
		CMP FT6																

Plenum • FEP Insulation • Natural Flamarrest® Jacket																		
 300V RMS, Non-conduit Z-Fold®	82760	NEC:	1	Black, Red	U-500†	U-152.4	11.5	5.2	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP			U-1000†	U-304.8	22.0	10.0										
		CEC:			1000†	304.8	23.0	10.5										
		CMP FT6																

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.



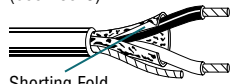
Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

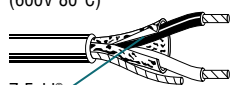
16 AWG Stranded Conductors (19x29) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 18 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 20253 (600V 80°C)  Shorting Fold	8719	NEC: CM, CL2 CEC: CM	1	Black, Clear	U-500	U-152.4	24.5	11.1	.032	.81	.032	.81	.313	7.95	23	75	44	144
					500	152.4	24.5	11.1										
					U-1000	U-304.8	47.0	21.4										
					1000	304.8	49.0	22.3										
					2000	609.6	100.0	45.5										
					5000	1524.0	245.0	111.4										
					10000	3048.0	430.0	195.5										

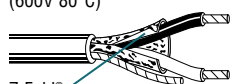
14 AWG Stranded Conductors (19x27) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 16 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 20253 (600V 80°C)  Z-Fold®	8720	NEC: CM, CL2 CEC: CM	1	Black, Clear	U-500	U-152.4	34.5	15.7	.032	.81	.035	.89	.355	9.02	24	79	47	154
					500	152.4	34.0	15.5										
					1000	304.8	71.0	32.3										
					2000	609.6	138.0	62.7										

12 AWG Stranded Conductors (19x25) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 14 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 20253 (600V 80°C)  Z-Fold®	8718	NEC: CM, CL2 CEC: CM	1	Black, Clear	U-500	U-152.4	48.5	22.0	.037	.94	.040	1.02	.400	10.16	25	82	49	161
					500	152.4	51.0	23.2										
					1000	304.8	100.0	45.5										
					2000	609.6	198.0	90.0										

TC = Tinned Copper

*Capacitance between conductors.

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



Combination Unshielded and Braid Shield and Overall Braid Shield

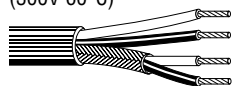
Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

Combination • 22 AWG Stranded Conductors (7x30) • Tinned Copper • Conductors Cabled • 62% TC Braid Shield Over One Pair

Polyethylene Insulation • Chrome PVC Jacket

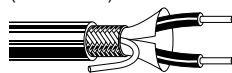
UL AWM Style 2094 (300V 60°C)	8732	NEC: CM	2: 1 Shld	Black, Clear	500	152.4	19.5	8.9	.020	.51	.030	.76	.206	5.23	21	69	37	121
		CEC: CM		Black, Clear	U-1000	U-304.8	38.0	17.3					x	x				
			1 Unshld	Black, Clear	1000	304.8	39.0	17.7					.332	8.43				



Overall Braid • 22 AWG Solid • Tinned Copper • Twisted Pair • Polyester Tape + 88% TC Braid Shield • 22 AWG Solid TC Drain Wire

PVC Insulation • Black PVC Jacket

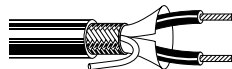
UL AWM Style 2095 (300V 80°C)	8437	NEC: CMG	1	Black, Red	1000	304.8	25.0	11.4	.015	.38	.025	.64	.200	5.08	48	157	85	279
		CEC: CMG FT4																



Overall Braid • 22 AWG Stranded (7x30) • Tinned Copper • Twisted Pair • Polyester Tape + 86% TC Braid Shield • Stranded TC Drain Wire

PVC Insulation • Black PVC Jacket

UL AWM Style 2095 (300V 80°C)	8441	NEC: CMG	1	Black, Red	100	30.5	3.6	1.6	.015	.38	.025	.64	.210	5.33	49	161	86	282
		CEC: CMG FT4			U-500	U-152.4	14.0	6.4										
					500	152.4	14.0	6.4										
					U-1000	U-304.8	27.0	12.3										
					1000	304.8	27.0	12.3										



Overall Braid • 18 AWG Stranded Conductors (16x30) • Tinned Copper • Twisted Pair • Separator + 73% Tinned Copper Braid Shield

Rubber Insulation • Chrome PVC Jacket

300V RMS 80°C	8208		1	Red, White	100	30.5	5.2	2.4	.022	.56	.025	.64	.257	6.53	46	151	77	253
					U-500	U-152.4	21.5	9.8										
					500	152.4	22.0	10.0										
					U-1000	U-304.8	43.0	19.5										
					1000	304.8	43.0	19.5										

TC = Tinned Copper

*Capacitance between conductors.

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



Overall Spiral Shield

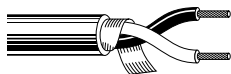
Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

Overall Spiral • 22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pair • 85% Tinned Copper Spiral Wrapped Shield

PVC Insulation • Chrome PVC Jacket

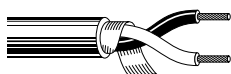
UL AWM Style 2095 (300V 80°C)	8737	NEC: CMG CEC: CMG FT4	1	Black, Red	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	10.5 10.0 20.0 20.0	4.8 4.5 9.1 9.1	.015 .38	.025 .64	.180 4.57	40 131	70 230
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Overall Spiral • 20 AWG Stranded Conductors (7x28) • Tinned Copper • Twisted Pair • 89% Tinned Copper Spiral Wrapped Shield

PVC Insulation • Chrome PVC Jacket

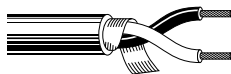
UL AWM Style 2095 (300V 80°C)	8759	NEC: CMG CEC: CMG FT4	1	Black, Red	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	13.0 11.4 25.0 25.0	5.9 11.4 11.4	.016 .41	.025 .64	.199 5.05	47 154	79 259
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Overall Spiral • 18 AWG Stranded Conductors (7x26) • Tinned Copper • Twisted Pair • 85% Tinned Copper Spiral Wrapped Shield

PVC Insulation • Chrome PVC Jacket

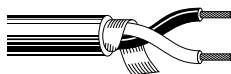
300V RMS 60°C	8790	NEC: CMG CEC: CMG FT4	1	Red, White	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	17.0 17.5 34.0 35.0	7.7 8.0 15.5 15.9	.022 .56	.028 .71	.241 6.12	53 174	92 302
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Overall Spiral • 16 AWG Stranded Conductors (19x29) • Tinned Copper • Twisted Pair • 85% Tinned Copper Spiral Wrapped Shield

PVC Insulation • Chrome PVC Jacket

300V RMS 60°C	8780	NEC: CMG CEC: CMG FT4	1	Black, White	500 U-1000 1000	152.4 U-304.8 304.8	23.5 45.0 46.0	10.7 20.5 20.9	.023 .58	.030 .76	.280 7.11	57 187	98 322
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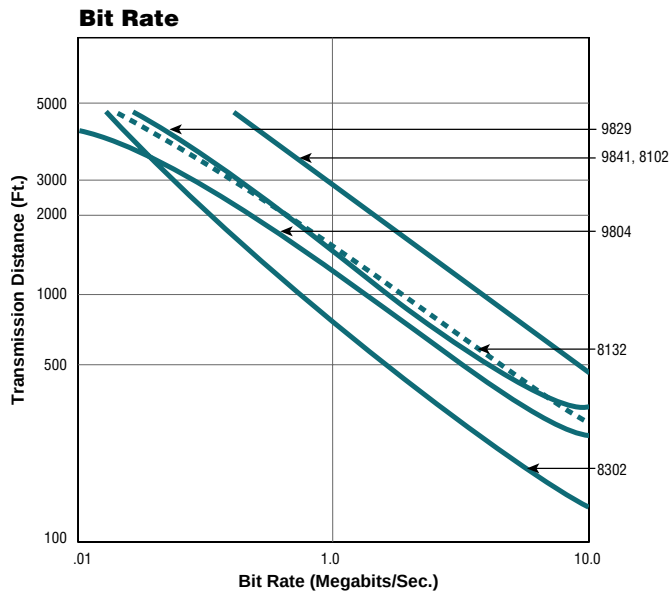
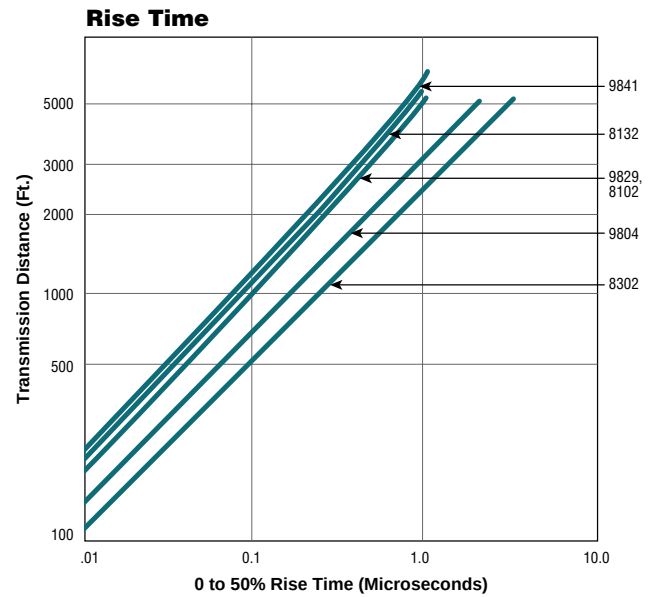
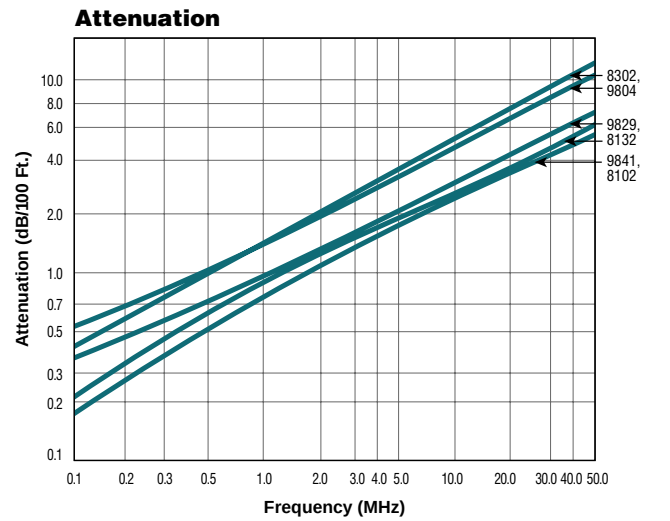
*Capacitance between conductors.

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



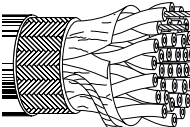
Overall Foil/Braid Shield

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) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil® + 90% TC Braid Shield • 28 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket																		
	9804	NEC: CL2	2	See Chart 3 (Tech Info Section)	100	30.5	3.8	1.7	64.9Ω/M'	4.9Ω/M'	.214	5.44	100	66%	15.5	50.9	27.5	90.2
					500	152.4	17.5	8.0	212.9Ω/km	16.1Ω/km								
					1000	304.8	30.0	13.6										
	9805	NEC: CL2	3	See Chart 3 (Tech Info Section)	100	30.5	4.2	1.9	64.9Ω/M'	4.2Ω/M'	.222	5.64	100	66%	15.5	50.9	27.5	90.2
					500	152.4	19.5	8.9	212.9Ω/km	13.8Ω/km								
					1000	304.8	35.0	15.9										
	9806	NEC: CL2	4	See Chart 3 (Tech Info Section)	100	30.5	4.8	2.2	64.9Ω/M'	4.0Ω/M'	.237	6.02	100	66%	15.5	50.9	27.5	90.2
					500	152.4	19.5	8.9	212.9Ω/km	13.1Ω/km								
					1000	304.8	39.0	17.7										
	9807	NEC: CL2	5	See Chart 3 (Tech Info Section)	100	30.5	4.8	2.2	64.9Ω/M'	4.2Ω/M'	.240	6.10	100	66%	15.5	50.9	27.5	90.2
500					152.4	19.5	8.9	212.9Ω/km	13.8Ω/km									
1000					304.8	39.0	17.7											
9808	NEC: CL2	7	See Chart 3 (Tech Info Section)	100	30.5	5.3	2.4	64.9Ω/M'	3.7Ω/M'	.256	6.50	100	66%	15.5	50.9	27.5	90.2	
				500	152.4	22.5	10.2	212.9Ω/km	12.1Ω/km									
				1000	304.8	44.0	20.0											
9809	NEC: CL2	9	See Chart 3 (Tech Info Section)	100	30.5	6.4	2.9	64.9Ω/M'	3.1Ω/M'	.290	7.37	100	66%	15.5	50.9	27.5	90.2	
				500	152.4	27.0	12.3	212.9Ω/km	10.2Ω/km									
				1000	304.8	53.0	24.1											
9812	NEC: CL2	12	See Chart 3 (Tech Info Section)	100	30.5	6.7	3.0	64.9Ω/M'	2.8Ω/M'	.319	8.10	100	66%	15.5	50.9	27.5	90.2	
				500	152.4	31.0	14.1	212.9Ω/km	9.2Ω/km									
				1000	304.8	62.0	28.2											
9813	NEC: CL2	13	See Chart 3 (Tech Info Section)	100	30.5	7.0	3.2	64.9Ω/M'	2.2Ω/M'	.336	8.53	100	66%	15.5	50.9	27.5	90.2	
				500	152.4	34.0	15.5	212.9Ω/km	7.2Ω/km									
				1000	304.8	66.0	30.0											
9819	NEC: CL2	18	See Chart 3 (Tech Info Section)	100	30.5	8.3	3.8	64.9Ω/M'	2.0Ω/M'	.365	9.27	100	66%	15.5	50.9	27.5	90.2	
				500	152.4	41.0	18.6	212.9Ω/km	6.7Ω/km									
				1000	304.8	82.0	37.3											
9825	NEC: CL2	25	See Chart 3 (Tech Info Section)	100	30.5	13.6	6.2	64.9Ω/M'	1.9Ω/M'	.429	10.90	100	66%	15.5	50.9	27.5	90.2	
				500	152.4	54.5	24.8	212.9Ω/km	6.2Ω/km									
				1000	304.8	108.0	49.1											
9814	NEC: CL2	31	See Chart 3 (Tech Info Section)	100	30.5	13.4	6.1	64.9Ω/M'	2.1Ω/M'	.462	11.73	100	66%	15.5	50.9	27.5	90.2	
				500	152.4	64.0	29.1	212.9Ω/km	6.9Ω/km									
				1000	304.8	127.0	57.7											

DCR = DC Resistance • TC = Tinned Copper

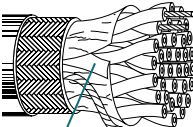
*Capacitance between conductors.

**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) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil® + 65% TC Braid Shield • 28 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
 Shorting Fold	8132	NEC: CL2	2	See Chart 5 (Tech Info Section)	100	30.5	3.6	1.6	65.0Ω/M'	5.1Ω/M'	.220	5.59	120	78%	11.0	36.1	20.0	65.6
					500	152.4	14.5	6.6	213.0Ω/km	16.6Ω/km								
					1000	304.8	28.0	12.8										
	8133	NEC: CL2	3	See Chart 5 (Tech Info Section)	100	30.5	4.5	2.0	65.0Ω/M'	5.2Ω/M'	.270	6.86	120	78%	11.0	36.1	20.0	65.6
					500	152.4	17.0	7.7	213.0Ω/km	17.1Ω/km								
					1000	304.8	34.0	15.5										
	8134	NEC: CL2	4	See Chart 5 (Tech Info Section)	100	30.5	5.0	2.3	65.0Ω/M'	4.4Ω/M'	.290	7.37	120	78%	11.0	36.1	20.0	65.6
					500	152.4	20.0	9.1	213.0Ω/km	14.3Ω/km								
					1000	304.8	39.0	17.7										
	8135	NEC: CL2	5	See Chart 5 (Tech Info Section)	100	30.5	5.3	2.4	65.0Ω/M'	4.2Ω/M'	.300	7.62	120	78%	11.0	36.1	20.0	65.6
500					152.4	23.0	10.4	213.0Ω/km	13.8Ω/km									
1000					304.8	46.0	20.8											
8138	NEC: CL2	8	See Chart 5 (Tech Info Section)	100	30.5	5.6	2.5	65.0Ω/M'	3.7Ω/M'	.330	8.38	120	78%	11.0	36.1	20.0	65.6	
				500	152.4	27.0	12.3	213.0Ω/km	12.3Ω/km									
				1000	304.8	52.0	23.6											
8142	NEC: CL2	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	100	30.5	7.0	3.2	65.0Ω/M'	3.1Ω/M'	.407	10.34	120	78%	11.0	36.1	20.0	65.6	
				500	152.4	34.5	15.7	213.0Ω/km	10.1Ω/km									
				1000	304.8	69.0	31.4											
8148	NEC: CL2	18	See Chart 5 (Tech Info Section)	100	30.5	12.2	5.5	65.0Ω/M'	2.6Ω/M'	.465	11.81	120	78%	11.0	36.1	20.0	65.6	
				500	152.4	47.5	21.6	213.0Ω/km	8.4Ω/km									
				1000	304.8	92.0	41.8											
8155	NEC: CL2	25	See Chart 5 (Tech Info Section)	100	30.5	13.1	6.0	65.0Ω/M'	2.3Ω/M'	.565	14.35	120	78%	11.0	36.1	20.0	65.6	
				500	152.4	64.0	29.1	213.0Ω/km	7.6Ω/km									
				1000	304.8	121.0	55.0											

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) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil® + 90% TC Braid Shield • 24 AWG Stranded TC Drain Wire																			
Polyethylene Insulation • Chrome PVC Jacket																			
	9841	NEC: CM CEC: CM	1	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.8 20.0 40.0	2.2 9.1 18.2	24.0Ω/M' 78.7Ω/km	3.4Ω/M' 11.0Ω/km	.232	5.89	120	66%	12.8	42.0	23.0	75.5	
															For Plenum versions of 9841, see 82841 or 89841.				
		NEC: CM CEC: CM	2	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.8 29.5 57.0	2.6 13.4 25.9	24.0Ω/M' 78.7Ω/km	2.2Ω/M' 7.2Ω/km	.340	8.64	120	66%	12.8	42.0	23.0	75.5	
															For Plenum versions of 9842, see 82842.				
	9843	NEC: CM CEC: CM	3	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.1 34.5 67.0	3.2 15.7 30.5	24.0Ω/M' 78.7Ω/km	2.3Ω/M' 7.7Ω/km	.360	9.14	120	66%	12.8	42.0	23.0	75.5	
		9844	NEC: CM CEC: CM	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	43.0 83.0	19.5 37.7	24.0Ω/M' 78.7Ω/km	2.1Ω/M' 6.9Ω/km	.390	9.91	120	66%	12.8	42.0	23.0	75.5
Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket																			
	82841 new	NEC: CMP CEC: CMP FT6	1	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	16.0 28.0	7.3 12.7	24.0Ω/M' 78.7Ω/km	3.1Ω/M' 10.2Ω/km	.204	5.18	120	76%	12	39.4	22	72.2	
	82842 new	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	21.0 42.0	9.5 19.1	24.0Ω/M' 78.7Ω/km	2.4Ω/M' 7.9Ω/km	.273	6.93	120	76%	12	39.4	22	72.2	
Plenum • Foam FEP Insulation • Red FEP Jacket																			
	89841 new	NEC: CMP CEC: CMP FT6	1	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	15.5 29.0	7.0 13.2	24.0Ω/M' 78.7Ω/km	3.1Ω/M' 10.2Ω/km	.202	5.13	120	76%	12	39.4	22	72.2	

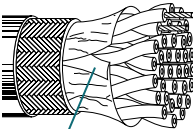
DCR = DC Resistance • TC = Tinned Copper

*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 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) • Tinned Copper • Multi-paired Cable with Overall 100% Beldfoil® + 65% Tinned Copper Braid Shield																		
Semi-rigid PVC Insulation • Chrome PVC Jacket																		
 Z-Fold®	8332	NEC:	2	See	100	30.5	4.6	2.1	24.0Ω/M'	5.4Ω/M'	.250	6.35	75	60%	30	98	50	164
		CMG		Chart 5	500	152.4	18.5	8.4	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	5.5	2.5	24.0Ω/M'	6.6Ω/M'	.265	6.73	75	60%	30	98	50	164
		CMG		Chart 5	500	152.4	22.5	10.3	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	6.0	2.7	24.0Ω/M'	4.5Ω/M'	.288	7.32	75	60%	30	98	50	164	
	CMG		Chart 5	500	152.4	24.5	11.1	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	6.6	3.0	24.0Ω/M'	4.6Ω/M'	.295	7.49	75	60%	30	98	50	164	
	CMG		Chart 5	500	152.4	28.5	13.0	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	30.5	13.9	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	32.0	14.5	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	45.5	20.7	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)																	
8348	NEC:	18	See	100	30.5	15.8	7.2	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

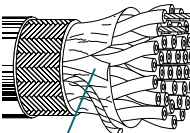
*Capacitance between conductors.

**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) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil® + 65% TC Braid Shield • 24 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
 Z-Fold®	9829	NEC:	2	See Chart 5 (Tech Info Section)	100	30.5	5.4	2.5	24.0Ω/M'	4.4Ω/M'	.291	7.39	100	66%	15.5	50.9	27.5	90.2
		CM			500	152.4	22.0	10.0	78.7Ω/km	14.4Ω/km								
	CEC:	CM	1000	304.8	43.0	19.5												
	9830	NEC:	3	See Chart 5 (Tech Info Section)	500	152.4	25.5	11.6	24.0Ω/M'	4.4Ω/M'	.305	7.74	100	66%	15.5	50.9	27.5	90.2
		CM			1000	304.8	53.0	24.1	78.7Ω/km	14.4Ω/km								
	CEC:	CM	1000	304.8	58.0	26.4												
	9831	NEC:	4	See Chart 5 (Tech Info Section)	100	30.5	6.2	2.8	24.0Ω/M'	3.9Ω/M'	.330	8.38	100	66%	15.5	50.9	27.5	90.2
		CM			500	152.4	29.0	13.2	78.7Ω/km	12.8Ω/km								
CEC:	CM	1000	304.8	58.0	26.4													
9832	NEC:	5	See Chart 5 (Tech Info Section)	100	30.5	6.6	3.0	24.0Ω/M'	3.9Ω/M'	.338	8.59	100	66%	15.5	50.9	27.5	90.2	
	CM			500	152.4	31.5	14.3	78.7Ω/km	12.8Ω/km									
CEC:	CM	1000	304.8	65.0	29.5													
9839	NEC:	6	See Chart 5 (Tech Info Section)	500	152.4	35.5	16.1	24.0Ω/M'	2.1Ω/M'	.364	9.25	100	66%	15.5	50.9	27.5	90.2	
	CM			1000	304.8	69.0	31.4	78.7Ω/km	6.9Ω/km									
CEC:	CM	1000	304.8	69.0	31.4													
9833	NEC:	7	See Chart 5 (Tech Info Section)	500	152.4	37.5	17.0	24.0Ω/M'	3.7Ω/M'	.370	9.40	100	66%	15.5	50.9	27.5	90.2	
	CM			1000	304.8	77.0	35.0	78.7Ω/km	12.1Ω/km									
CEC:	CM	1000	304.8	77.0	35.0													
9834	NEC:	9	See Chart 5 (Tech Info Section)	500	152.4	47.0	21.4	24.0Ω/M'	3.0Ω/M'	.419	10.64	100	66%	15.5	50.9	27.5	90.2	
	CM			1000	304.8	93.0	42.3	78.7Ω/km	9.8Ω/km									
CEC:	CM	1000	304.8	93.0	42.3													
9835	NEC:	10	See Chart 5 (Tech Info Section)	500	152.4	51.5	23.4	24.0Ω/M'	2.8Ω/M'	.451	11.46	100	66%	15.5	50.9	27.5	90.2	
	CM			1000	304.8	102.0	46.4	78.7Ω/km	9.2Ω/km									
CEC:	CM	1000	304.8	102.0	46.4													
9836	NEC:	12	See Chart 5 (Tech Info Section)	100	30.5	14.1	6.4	24.0Ω/M'	2.8Ω/M'	.464	11.79	100	66%	15.5	50.9	27.5	90.2	
	CM			500	152.4	57.0	25.9	78.7Ω/km	9.2Ω/km									
CEC:	CM	1000	304.8	114.0	51.8													
9837	NEC:	18	See Chart 5 (Tech Info Section)	500	152.4	87.5	39.8	24.0Ω/M'	2.0Ω/M'	.567	14.40	100	66%	15.5	50.9	27.5	90.2	
	CM			1000	304.8	174.0	79.1	78.7Ω/km	6.6Ω/km									
CEC:	CM	1000	304.8	174.0	79.1													
9838	NEC:	25	See Chart 5 (Tech Info Section)	500	152.4	113.0	51.4	24.0Ω/M'	1.9Ω/M'	.670	17.02	100	66%	15.5	50.9	27.5	90.2	
	CM							78.7Ω/km	6.2Ω/km									
CEC:	CM	1000	304.8	113.0	51.4													

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) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil® + 65% TC Braid Shield • 24 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
 Shorting Fold	8102	NEC:	2	See	100	30.5	4.8	2.2	24.0Ω/M'	4.6Ω/M'	.270	6.86	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	19.0	8.6	78.7Ω/km	15.1Ω/km								
	CEC:	(Tech Info	1000	304.8	38.0	17.3												
	CM	Section)	10000	3048.0	380.0	172.7												
	8103	NEC:	3	See	100	30.5	4.6	2.1	24.0Ω/M'	3.8Ω/M'	.283	7.19	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	21.5	9.8	78.7Ω/km	12.5Ω/km								
	CEC:	(Tech Info	1000	304.8	42.0	19.1												
	CM	Section)	10000	3048.0	430.0	195.5												
	8104	NEC:	4	See	100	30.5	5.1	2.3	24.0Ω/M'	4.1Ω/M'	.302	7.67	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	23.0	10.5	78.7Ω/km	13.5Ω/km								
CEC:	(Tech Info	1000	304.8	46.0	20.9													
CM	Section)	10000	3048.0	490.0	222.7													
8105	NEC:	5	See	100	30.5	5.8	2.6	24.0Ω/M'	4.2Ω/M'	.316	8.03	100	78%	12.5	41	22	72.2	
	CM		Chart 5	500	152.4	28.0	12.7	78.7Ω/km	13.8Ω/km									
CEC:	(Tech Info	1000	304.8	53.0	24.1													
CM	Section)																	
8106	NEC:	6	See	100	30.5	6.3	2.9	24.0Ω/M'	3.5Ω/M'	.341	8.66	100	78%	12.5	41	22	72.2	
	CM		Chart 5	500	152.4	30.5	13.9	78.7Ω/km	11.5Ω/km									
CEC:	(Tech Info	1000	304.8	58.0	26.4													
CM	Section)																	
8107	NEC:	7	See	100	30.5	6.8	3.1	24.0Ω/M'	3.5Ω/M'	.341	8.66	100	78%	12.5	41	22	72.2	
	CM		Chart 5	500	152.4	33.0	15.0	78.7Ω/km	11.5Ω/km									
CEC:	(Tech Info	1000	304.8	63.0	28.6													
CM	Section)																	
8108	NEC:	8	See	100	30.5	7.6	3.5	24.0Ω/M'	2.7Ω/M'	.370	9.40	100	78%	12.5	41	22	72.2	
	CM		Chart 5	500	152.4	37.5	17.1	78.7Ω/km	8.9Ω/km									
CEC:	(Tech Info	1000	304.8	72.0	32.8													
CM	Section)																	
8110	NEC:	10	See	100	30.5	9.9	4.5	24.0Ω/M'	2.4Ω/M'	.427	10.85	100	78%	12.5	41	22	72.2	
	CM		Chart 5	500	152.4	45.5	20.7	78.7Ω/km	7.9Ω/km									
CEC:	(Tech Info	1000	304.8	90.0	40.9													
CM	Section)																	
8112	NEC:	12.5 (12 pairs + 1 single)	See	100	30.5	10.5	4.8	24.0Ω/M'	2.4Ω/M'	.440	11.18	100	78%	12.5	41	22	72.2	
	CM		Chart 5	500	152.4	49.0	22.3	78.7Ω/km	7.9Ω/km									
CEC:	(Tech Info	1000	304.8	97.0	44.1													
CM	Section)																	
8115	NEC:	15	See	500	152.4	63.5	28.9	24.0Ω/M'	2.6Ω/M'	.495	12.57	100	78%	12.5	41	22	72.2	
	CM		Chart 5	1000	304.8	116.0	52.7	78.7Ω/km	8.5Ω/km									
CEC:	(Tech Info																	
CM	Section)																	
8118	NEC:	18	See	100	30.5	16.3	7.4	24.0Ω/M'	2.1Ω/M'	.537	13.64	100	78%	12.5	41	22	72.2	
	CM		Chart 5	500	152.4	70.5	32.0	78.7Ω/km	6.9Ω/km									
CEC:	(Tech Info	1000	304.8	144.0	65.5													
CM	Section)																	
8125	NEC:	25	See	100	30.5	22.4	10.2	24.0Ω/M'	2.0Ω/M'	.632	16.05	100	78%	12.5	41	22	72.2	
	CM		Chart 5	500	152.4	98.0	44.5	78.7Ω/km	6.6Ω/km									
CEC:	(Tech Info	1000	304.8	191.0	86.8													
CM	Section)																	

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

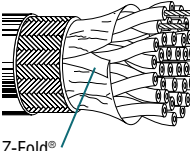
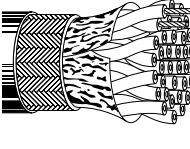
**Capacitance between one conductor and other conductors connected to shield.

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 Conductors (7x30) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil® + 65% Tinned Copper Braid Shield																				
Semi-rigid PVC Insulation • Chrome PVC Jacket																				
 UL AWM Style 2464 (300V 80°C)	8302	NEC:	2	See	100	30.5	5.2	2.4	15.0Ω/M'	5.7Ω/M'	.260	6.60	70	60%	40	131	72	236		
		CMG		Chart 3	500	152.4	21.0	9.6	49.2Ω/km	18.7Ω/km										
		CEC:		(Tech Info	1000	304.8	41.0	18.6												
		CMG FT4		Section)																
		8303		NEC:	3	See	100	30.5	6.0	2.7	15.0Ω/M'	6.2Ω/M'	.270	6.86	70	60%	35	115	63	207
				CMG		Chart 3	500	152.4	25.0	11.4	49.2Ω/km	20.3Ω/km								
				CEC:		(Tech Info	1000	304.8	49.0	22.3										
CMG FT4	Section)																			
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	31.5	14.3	49.2Ω/km	16.1Ω/km									
	CEC:	(Tech Info		1000	304.8	65.0	29.5													
	CMG FT4	Section)																		
	8305	NEC:		5	See	100	30.5	7.3	3.3	15.0Ω/M'	4.8Ω/M'	.322	8.18	70	60%	35	115	63	207	
CMG		Chart 3	500		152.4	34.5	15.7	49.2Ω/km	15.7Ω/km											
CEC:		(Tech Info	1000		304.8	68.0	30.9													
CMG FT4		Section)																		
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	1000	304.8	76.0	34.5													
	CMG FT4		Section)																	
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	41.5	18.9	49.2Ω/km	16.4Ω/km											
	CEC:		(Tech Info	1000	304.8	82.0	37.3													
	CMG FT4		Section)																	
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	52.0	23.7	49.2Ω/km	14.4Ω/km											
	CEC:		(Tech Info	1000	304.8	101.0	46.0													
	CMG FT4		Section)																	
 UL AWM Style 2464 (300V 80°C)	8310	NEC:	10	See	100	30.5	12.9	5.9	15.0Ω/M'	4.1Ω/M'	.440	11.18	70	60%	35	115	63	207		
		CMG		Chart 3	500	152.4	61.0	27.7	49.2Ω/km	13.4Ω/km										
		CEC:		(Tech Info	1000	304.8	123.0	55.9												
		CMG FT4		Section)																
	8312	NEC:	12.5 (12 pairs + 1 single)	See	100	30.5	14.6	6.7	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	1000	304.8	140.0	63.8												
8315	NEC:	15	See	100	30.5	17.3	7.9	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											
8318	NEC:	18	See	100	30.5	19.6	8.9	15.0Ω/M'	3.0Ω/M'	.535	13.59	70	60%	35	115	63	207			
	CMG		Chart 3	500	152.4	97.0	44.1	49.2Ω/km	9.8Ω/km											
	CEC:		(Tech Info	1000	304.8	196.0	89.1													
	CMG FT4		Section)																	
8325	NEC:	25	See	100	30.5	25.1	11.4	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	1000	304.8	246.0	112.1													
	CMG FT4		Section)																	

DCR = DC Resistance

*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 • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil® Shield + 90% TC Braid • 22 AWG Solid 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	16.5 Ω /M' 54.1 Ω /km	3.7 Ω /M' 12.1 Ω /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	16.5 Ω /M' 54.1 Ω /km	2.1 Ω /M' 6.9 Ω /km	.240	6.10	100	69.5%	15.5	50.9	27.0	88.6
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22 AWG Solid • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil + 58% TC Braid Shield • 22 AWG Solid 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 20.5 40.0 410.0	9.1 9.3 18.2 186.4	16.5 Ω /M' 54.1 Ω /km	4.2 Ω /M' 13.8 Ω /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 • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil + 55% TC Braid Shield plus Polyester Tape • 22 AWG Solid TC 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 1 Pair: Black & Yellow	500† 1000†	152.4 304.8	24.0 42.0	10.9 19.1	16.5 Ω /M' 54.1 Ω /km	4.9 Ω /M' 16.1 Ω /km	.272	6.91	100	69.5%	15.5	50.9	27.0	88.6
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22 AWG Solid • Bare Copper • Twisted Pairs • Overall 100% Beldfoil Shield + 58% TC Braid • 22 AWG Solid 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 with Blue Stripe 1 Pair: Orange & White with Orange Stripe	500 1000	152.4 304.8	22.5 44.0	10.2 20.0	14.2 Ω /M' 46.6 Ω /km	4.2 Ω /M' 13.8 Ω /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 • Bare Copper • Twisted Pairs • Overall 100% Beldfoil Shield + 55% TC Braid • 22 AWG Solid 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 with Blue Stripe 1 Pair: Orange & White with Orange Stripe	500† 1000†	152.4 304.8	25.0 47.0	11.4 21.4	16.5 Ω /M' 54.1 Ω /km	4.2 Ω /M' 13.8 Ω /km	.262	6.65	100	69.5%	15.5	50.9	27.0	88.6
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DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

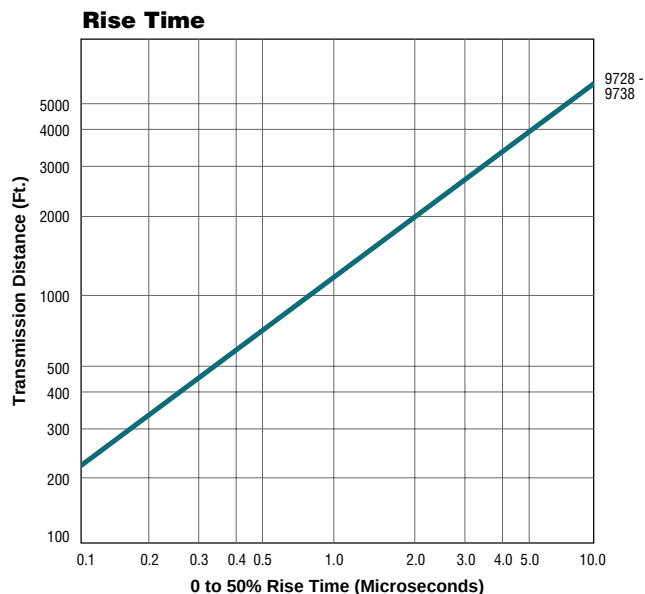
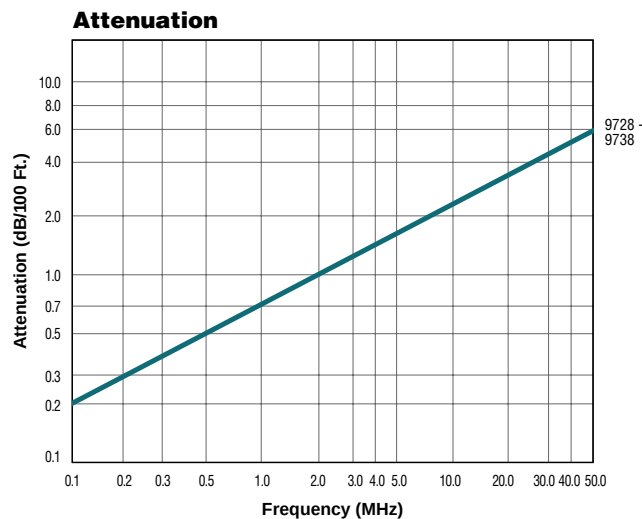
**Capacitance between one conductor and other conductors connected to shield.

† Spools are one piece, but length may vary $\pm 10\%$ from length shown.

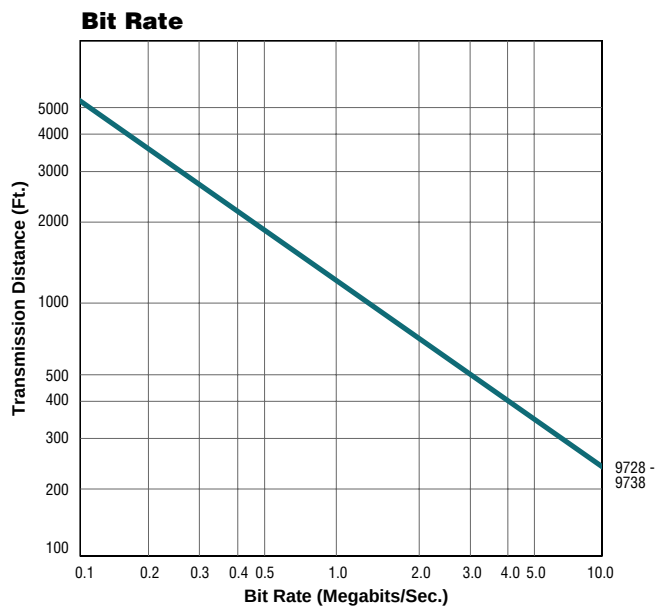


Individually Shielded

Cable Characteristics



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



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

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) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 24 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
 Z-Fold®	9729	NEC: CM	2	See Chart 3	100	30.5	4.3	2.0	24.0Ω/M'	18.0Ω/M'	.317	8.05	100	78%	12.5	41.0	23.2	76.1
		CEC: CM		(Tech Info Section)	500	152.4	20.5	9.3	78.7Ω/km	59.1Ω/km	For Plenum version of 9729, see 89729 or 82729.							
		CM		1000	304.8	39.0	17.7	10000	3048.0	390.0		177.8						
	9730	NEC: CM	3	See Chart 3	100	30.5	5.1	2.3	24.0Ω/M'	18.0Ω/M'	.334	8.48	100	78%	12.5	41.0	23.2	76.1
		CEC: CM		(Tech Info Section)	500	152.4	24.5	11.1	78.7Ω/km	59.1Ω/km	For Plenum version of 9730, see 89730.							
		CM		1000	304.8	46.0	20.9	10000	3048.0	520.0		236.4						
	9728	NEC: CM	4	See Chart 3	100	30.5	6.0	2.7	24.0Ω/M'	18.0Ω/M'	.363	9.22	100	78%	12.5	41.0	23.2	76.1
		CEC: CM		(Tech Info Section)	500	152.4	28.5	13.0	78.7Ω/km	59.1Ω/km	For Plenum version of 9728, see 89728.							
		CM		1000	304.8	55.0	25.0											
	9731	NEC: CM	6	See Chart 3	100	30.5	11.1	5.0	24.0Ω/M'	18.0Ω/M'	.421	10.69	100	78%	12.5	41.0	23.2	76.1
CEC: CM		(Tech Info Section)		500	152.4	42.0	19.1	78.7Ω/km	59.1Ω/km	For Plenum version of 9731, see 89731.								
CM		1000		304.8	83.0	37.7												
9732	NEC: CM	9	See Chart 3	100	30.5	11.9	5.4	24.0Ω/M'	18.0Ω/M'	.488	12.40	100	78%	12.5	41.0	23.2	76.1	
	CEC: CM		(Tech Info Section)	500	152.4	58.0	26.4	78.7Ω/km	59.1Ω/km	For Plenum version of 9732, see 89732.								
	CM		1000	304.8	108.0	49.1												
9733	NEC: CM	11	See Chart 3	500	152.4	75.0	34.1	24.0Ω/M'	18.0Ω/M'	.575	14.61	100	78%	12.5	41.0	23.2	76.1	
	CEC: CM		(Tech Info Section)			78.7Ω/km	59.1Ω/km											
9734	NEC: CM	12	See Chart 3	500	152.4	79.5	36.1	24.0Ω/M'	18.0Ω/M'	.575	14.61	100	78%	12.5	41.0	23.2	76.1	
	CEC: CM		(Tech Info Section)	1000	304.8	154.0	70.0	78.7Ω/km	59.1Ω/km									
9735	NEC: CM	15	See Chart 3	500	152.4	95.0	43.2	24.0Ω/M'	18.0Ω/M'	.639	16.23	100	78%	12.5	41.0	23.2	76.1	
	CEC: CM		(Tech Info Section)	1000	304.8	185.0	84.1	78.7Ω/km	59.1Ω/km									
9736	NEC: CM	17	See Chart 3	500	152.4	103.5	47.0	24.0Ω/M'	18.0Ω/M'	.671	17.04	100	78%	12.5	41.0	23.2	76.1	
	CEC: CM		(Tech Info Section)	1000	304.8	210.0	95.5	78.7Ω/km	59.1Ω/km									
9737	NEC: CM	19	See Chart 3	1000	304.8	231.0	105.0	24.0Ω/M'	18.0Ω/M'	.671	17.04	100	78%	12.5	41.0	23.2	76.1	
	CEC: CM		(Tech Info Section)			78.7Ω/km	59.1Ω/km											
9738	NEC: CM	27	See Chart 3	1000	304.8	334.0	151.8	24.0Ω/M'	18.0Ω/M'	.797	20.24	100	78%	12.5	41.0	23.2	76.1	
	CEC: CM		(Tech Info Section)			78.7Ω/km	59.1Ω/km											

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 5.34.

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.



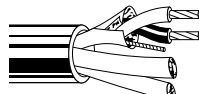
Individually Shielded

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) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 24 AWG Stranded TC Drain Wire

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket

	300V RMS, Non-conduit	89729	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	18.5 31.0	8.4 14.1	23.3 Ω /M' 76.4 Ω /km	14.4 Ω /M' 47.2 Ω /km	.261 6.63	100	78%	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	23.0 40.0	10.5 18.2	23.3 Ω /M' 76.4 Ω /km	14.4 Ω /M' 47.2 Ω /km	.278 7.06	100	78%	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	23.3 Ω /M' 76.4 Ω /km	14.4 Ω /M' 47.2 Ω /km	.307 7.80	100	78%	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	23.3 Ω /M' 76.4 Ω /km	14.4 Ω /M' 47.2 Ω /km	.361 9.17	100	78%	13.5	44	22.5	73.8
		89732	NEC: CMP CEC: CMP FT6	9	See Chart 5 (Tech Info Section)	1000†	304.8	106.0	48.2	23.3 Ω /M' 76.4 Ω /km	14.4 Ω /M' 47.2 Ω /km	.429 10.90	100	78%	13.5	44	22.5	73.8

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

	300V RMS, Non-conduit	82729	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	U-1000 1000†	U-304.8 304.8	27.0 28.0	12.3 12.7	23.3 Ω /M' 76.4 Ω /km	14.4 Ω /M' 47.2 Ω /km	.255 6.48	100	78%	13.5	44	22.5	73.8
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DCR = DC Resistance • TC = Tinned Copper

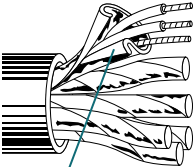
*Capacitance between conductors.

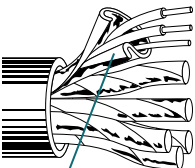
**Capacitance between one conductor and other conductors connected to shield.

† Spools are one piece, but length may vary $\pm 10\%$ 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		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) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 24 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
 Z-Fold®	9990	NEC: CM CEC: CM	3	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	18.0 36.0	8.2 16.4	24.0 Ω /M' 78.7 Ω /km	18.0 Ω /M' 59.1 Ω /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 32.0 62.0	3.1 14.6 28.3	24.0 Ω /M' 78.7 Ω /km	18.0 Ω /M' 59.1 Ω /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 44.0 86.0	4.0 20.0 39.1	24.0 Ω /M' 78.7 Ω /km	18.0 Ω /M' 59.1 Ω /km	.383 9.73	60	66%	25	82	47	154	
	9993	NEC: CM CEC: CM	12	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	11.5 107.0 48.6	5.2 52.7 103.6	24.0 Ω /M' 78.7 Ω /km	18.0 Ω /M' 59.1 Ω /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	23.2 116.0 228.0	10.5 52.7 103.6	24.0 Ω /M' 78.7 Ω /km	18.0 Ω /M' 59.1 Ω /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		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Solid Conductors • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil • 22 AWG Solid TC Drain Wire																		
PVC Insulation • Overall Chrome PVC Jacket																		
 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	24.0 24.5 49.0	10.9 11.1 22.3	.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		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 • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 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	2	Black & White,	100	30.5	4.2	1.9	15.0 Ω /M'	13.0 Ω /M'	.173	4.39	50	60%	50	164	95	312
		CEC: CMG FT4		Black & Yellow	500	152.4	17.0	7.7	49.2 Ω /km	42.7 Ω /km	x	x						
					1000	304.8	33.0	15.0			.280	7.11						

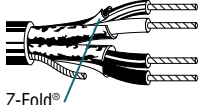


Z-Fold®

22 AWG Stranded (7x30) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 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	2	Red & Black,	100	30.5	2.3	1.0	15.0 Ω /M'	16.6 Ω /M'	.168	4.27	45	66%	35	115	62	203
		CEC: CM		Green & White	500	152.4	10.5	4.8	49.2 Ω /km	54.5 Ω /km								
					1000	304.8	20.0	9.1										
					1640	499.9	32.8	14.9										
					U-2000	U-609.6	40.0	18.2										
					2000	609.6	40.0	18.2										
					3280	999.7	65.6	29.8										
					5000	1524.0	95.0	43.2										
					10000	3048.0	200.0	90.9										

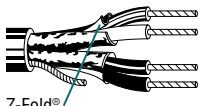


Z-Fold®

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

Plenum • Halar® Insulation • Natural Flamarest® Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

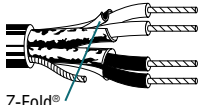
300V RMS, Non-conduit	82723	NEC: CMP	2	Red & Black,	U-500†	U-152.4	10.0	4.5	14.7 Ω /M'	16.6 Ω /M'	.148	3.76	36	62%	43	141	75	246
		CEC: CMP FT6		Green & White	U-1000	U-304.8	19.0	8.6	48.2 Ω /km	54.5 Ω /km								
					1000†	304.8	20.0	9.1										
					U-2000†	U-609.6	38.0	17.3										



Z-Fold®

Plenum • FEP Insulation • Red FEP Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

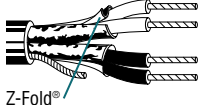
300V RMS, Non-conduit	88723	NEC: CMP	2	Red & Black,	100	30.5	3.4	1.5	16.0 Ω /M'	14.7 Ω /M'	.148	3.76	40	69%	35	115	67	220
		CEC: CMP FT6		Green & White	500	152.4	11.0	5.0	52.5 Ω /km	48.2 Ω /km								
					1000	304.8	21.0	9.5										



Z-Fold®

Plenum • FEP Insulation • Red Fluorocopolymer Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

300V RMS, Non-conduit	87723	NEC: CMP	2	Red & Black,	500†	152.4	11.0	5.0	16.0 Ω /M'	14.7 Ω /M'	.148	3.76	40	69%	35	115	67	220
		CEC: CMP FT6		Green & White	1000†	304.8	20.0	9.1	52.5 Ω /km	48.2 Ω /km								



Z-Fold®

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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

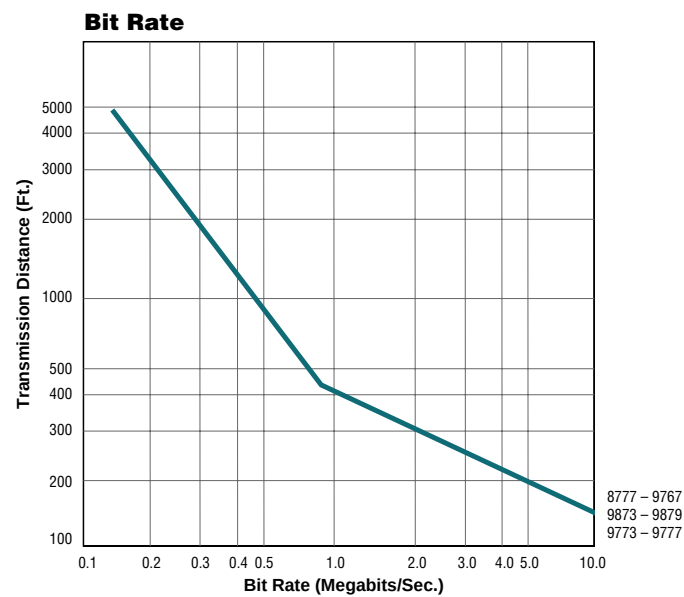
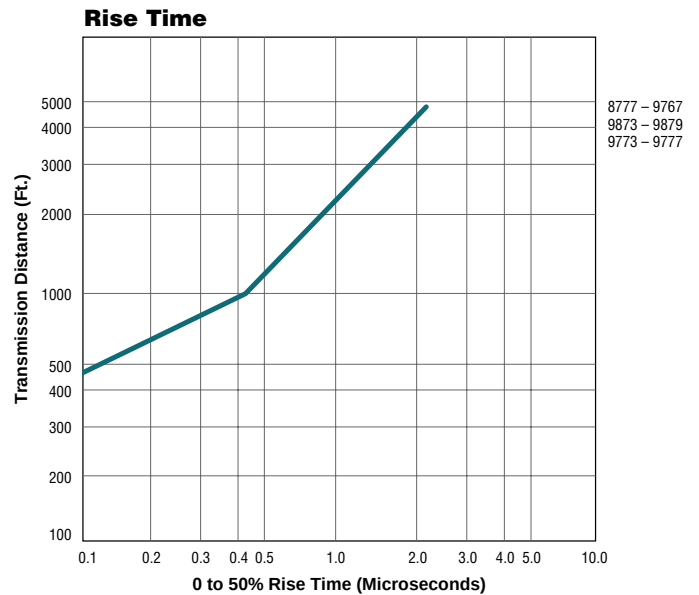
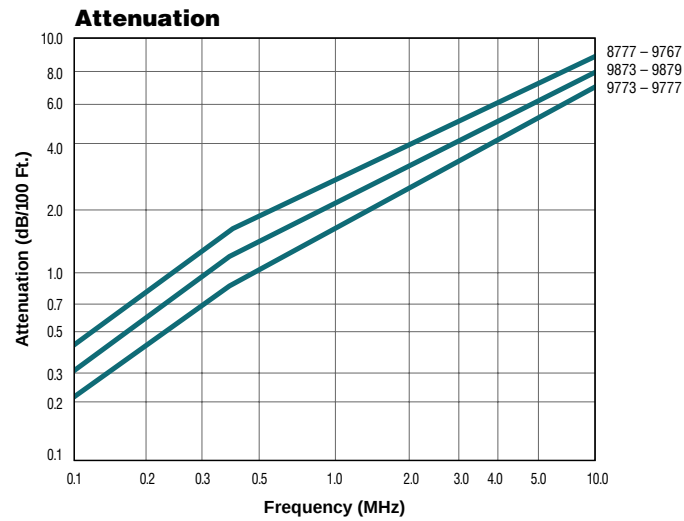
† Spools and/or UnReel® cartons are one piece, but length may vary $\pm 10\%$ for spools and $\pm 5\%$ for UnReel from length show.

Halar is an Ausimont Corporation trademark.



Individually Shielded

Cable Characteristics



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.

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 • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 22 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket																		
 Z-Fold®	8777	NEC:	3	See Chart 3 (Tech Info Section)	100	30.5	5.3	2.4	15.0Ω/M'	10.6Ω/M'	.273	6.93	50	66%	30	98	55	180
		CM			250	76.2	11.3	5.1	49.2Ω/km	34.8Ω/km								
		CEC:			U-500	U-152.4	21.0	9.5										
		CM			500	152.4	21.0	9.5										
					U-1000	U-304.8	41.0	18.6										
					1000	304.8	42.0	19.1										
					1640	499.9	67.2	30.6										
					3280	999.7	137.8	62.6										
					5000	1524.0	210.0	95.5										
					10000	3048.0	450.0	204.5										
	8778	NEC:	6	See Chart 3 (Tech Info Section)	100	30.5	8.4	3.8	15.0Ω/M'	10.6Ω/M'	.362	9.19	50	66%	30	98	55	180
CM		250			76.2	20.8	9.4	49.2Ω/km	34.8Ω/km									
CEC:		500			152.4	43.0	19.5											
CM		1000			304.8	83.0	37.7											
	8774	NEC:	9	See Chart 3 (Tech Info Section)	100	30.5	11.6	5.3	15.0Ω/M'	10.6Ω/M'	.417	10.59	50	66%	30	98	55	180
CM		250			76.2	28.8	13.1	49.2Ω/km	34.8Ω/km									
CEC:		500			152.4	58.0	26.4											
CM		1000			304.8	115.0	52.3											
	8775	NEC:	11	See Chart 3 (Tech Info Section)	100	30.5	14.1	6.4	15.0Ω/M'	10.6Ω/M'	.464	11.79	50	66%	30	98	55	180
CM		500			152.4	67.0	30.5	49.2Ω/km	34.8Ω/km									
CEC:		1000			304.8	133.0	60.5											
	9768	NEC:	12	See Chart 3 (Tech Info Section)	100	30.5	14.9	6.8	15.0Ω/M'	10.6Ω/M'	.464	11.79	50	66%	30	98	55	180
CM		250			76.2	35.5	16.1	49.2Ω/km	34.8Ω/km									
CEC:		500			152.4	73.5	33.4											
CM		1000			304.8	143.0	65.0											
	8776	NEC:	15	See Chart 3 (Tech Info Section)	100	30.5	19.7	9.0	15.0Ω/M'	10.6Ω/M'	.548	13.92	50	66%	30	98	55	180
CM		250			76.2	49.5	22.5	49.2Ω/km	34.8Ω/km									
CEC:		500			152.4	98.0	44.5											
CM		1000			304.8	197.0	89.5											
	9769	NEC:	17	See Chart 3 (Tech Info Section)	100	30.5	22.0	10.0	15.0Ω/M'	10.6Ω/M'	.577	14.66	50	66%	30	98	55	180
CM		500			152.4	109.0	49.5	49.2Ω/km	34.8Ω/km									
CEC:		1000			304.8	215.0	97.7											
	8769	NEC:	19	See Chart 3 (Tech Info Section)	100	30.5	25.0	11.4	15.0Ω/M'	10.6Ω/M'	.603	15.32	50	66%	30	98	55	180
CM		500			152.4	123.5	56.1	49.2Ω/km	34.8Ω/km									
CEC:		1000			304.8	245.0	111.4											
CM																		
	8773	NEC:	27	See Chart 3 (Tech Info Section)	100	30.5	33.8	15.4	15.0Ω/M'	10.6Ω/M'	.709	18.00	50	66%	30	98	55	180
CM		250†			76.2	85.0	38.6	49.2Ω/km	34.8Ω/km									
CEC:		500†			152.4	166.0	75.5											
CM		1000†			304.8	346.0	157.3											
	9767	NEC:	37	See Chart 3 (Tech Info Section)	500†	152.4	224.0	101.8	15.0Ω/M'	10.6								

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 -0 to +20% from length shown.

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

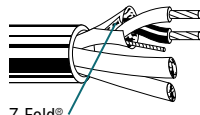
Individually Shielded

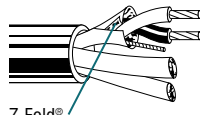
Audio, Control and Instrumentation Cables
Plenum-Rated and Non-Plenum

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		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

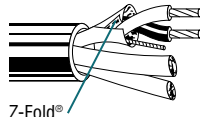
22 AWG Stranded (7x30) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 22 AWG Stranded TC Drain Wire

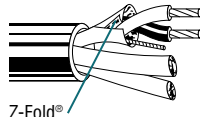
Plenum • Halar® Insulation • Natural Flamarrest® Jacket

	82777	NEC:	3	See Chart 3 (Tech Info Section)	U-500†	U-152.4	19.0	8.6	14.7Ω/M'	11.3Ω/M'	.234	5.94	46	62%	35	115	76	249
		CMP			U-1000	U-304.8	38.0	17.3	48.2Ω/km	37.1Ω/km								
		CEC:			1000†	304.8	39.0	17.7										
		CMP FT6																

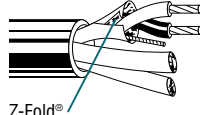
	82778	NEC:	6	See Chart 3 (Tech Info Section)	1000†	304.8	67.0	30.5	14.7Ω/M'	11.3Ω/M'	.330	8.38	46	62%	35	115	76	249
		CMP							48.2Ω/km	37.1Ω/km								
		CEC:																
		CMP FT6																

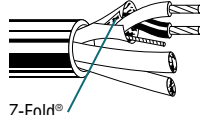
Plenum • FEP Insulation • Red FEP Jacket

	88777	NEC:	3	See Chart 3 (Tech Info Section)	100	30.5	6.0	2.7	14.7Ω/M'	11.3Ω/M'	.234	5.94	50	69%	31	102	67	220
		CMP			500†	152.4	21.0	9.5	48.2Ω/km	37.1Ω/km								
		CEC:			1000†	304.8	42.0	19.1										
		CMP FT6																

	88778	NEC:	6	See Chart 3 (Tech Info Section)	100	30.5	8.8	4.0	14.7Ω/M'	11.3Ω/M'	.309	7.85	50	69%	31	102	67	220
		CMP			500†	152.4	40.0	18.2	48.2Ω/km	37.1Ω/km								
		CEC:			1000†	304.8	75.0	34.1										
		CMP FT6																

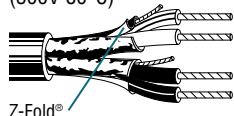
Plenum • FEP Insulation • Red Fluorocopolymer Jacket

	87777	NEC:	3	See Chart 3 (Tech Info Section)	500†	152.4	20.0	9.1	14.7Ω/M'	11.3Ω/M'	.234	5.94	50	69%	31	102	67	220
		CMP			1000†	304.8	40.0	18.2	48.2Ω/km	37.1Ω/km								
		CEC:																
		CMP FT6																

	87778	NEC:	6	See Chart 3 (Tech Info Section)	500†	152.4	37.5	17.0	14.7Ω/M'	11.3Ω/M'	.309	7.85	50	69%	31	102	67	220
		CMP			1000†	304.8	73.0	33.2	48.2Ω/km	37.1Ω/km								
		CEC:																
		CMP FT6																

20 AWG Stranded (7x28) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 22 AWG Stranded TC Drain Wire

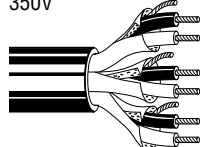
Semi-rigid PVC Insulation • Overall Chrome PVC Jacket

	9402	NEC:	2	Red & Black, Green & White	U-500	U-152.4	27.0	12.3	—	—	.300	7.62	—	—	55	180	95	312
		CMG			1000	304.8	53.0	24.1										
		CEC:																
		CMG FT4																

Insulation Thickness
.010 .25
Jacket Thickness
.041 1.04

20 AWG Stranded (10x30) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 22 AWG Stranded TC Drain Wire

Polypropylene Insulation • Black High-density Polyethylene Jacket

	9883	Direct Burial 350V	3	See Chart 3 (Tech Info Section)	500	152.4	28.0	12.8	6.4Ω/M'	8.3Ω/M'	.340	8.64	50	66%	30	98	55	180
					1000	304.8	56.0	25.5	21.0Ω/km	27.2Ω/km								

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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

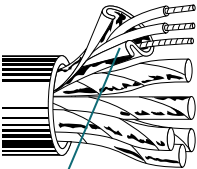
† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length show.

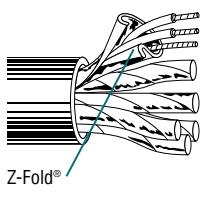
Halar is an Ausimont Corporation trademark.



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) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 22 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Overall Chrome PVC Jacket																		
 Z-Fold®	9873	NEC:	3	See	100	30.5	7.0	3.2	10.5Ω/M'	14.0Ω/M'	.341	8.66	50	66%	30	98	55	180
		CM		Chart 3	250	76.2	17.3	7.8	34.4Ω/km	45.9Ω/km								
		CEC:		(Tech Info	500	152.4	33.5	15.2										
		CM		Section)	1000	304.8	66.0	30.0										
	9874	NEC:	6	See	100	30.5	13.1	6.0	10.5Ω/M'	11.3Ω/M'	.445	11.30	50	66%	30	98	55	180
CM		Chart 3		250	76.2	31.0	14.1	34.4Ω/km	37.1Ω/km									
CEC:		(Tech Info		500	152.4	62.5	28.4											
CM		Section)		1000	304.8	125.0	56.8											
	9875	NEC:	9	See	100	30.5	19.7	9.0	10.5Ω/M'	11.3Ω/M'	.555	14.10	50	66%	30	98	55	180
CM		Chart 3		500	152.4	97.5	44.3	34.4Ω/km	37.1Ω/km									
CEC:		(Tech Info		1000	304.8	188.0	85.5											
CM		Section)																
	9876	NEC:	11	See	1000	304.8	220.0	100.0	10.5Ω/M'	11.3Ω/M'	.600	15.24	50	66%	30	98	55	180
CM		Chart 3						34.4Ω/km	37.1Ω/km									
CEC:		(Tech Info																
CM		Section)																
	9877	NEC:	12	See	100	30.5	24.1	11.0	10.5Ω/M'	11.3Ω/M'	.617	15.67	50	66%	30	98	55	180
CM		Chart 3		500	152.4	119.0	54.1	34.4Ω/km	37.1Ω/km									
CEC:		(Tech Info		1000	304.8	237.0	107.7											
CM		Section)																
	9879	NEC:	15	See	500	152.4	146.0	66.4	10.5Ω/M'	11.3Ω/M'	.689	17.50	50	66%	30	98	55	180
CM		Chart 3		1000	304.8	296.0	134.5	34.4Ω/km	37.1Ω/km									
CEC:		(Tech Info																
CM		Section)																

18 AWG Stranded (19x30) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 20 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C) 	9773	NEC:	3	See	100	30.5	9.4	4.3	6.4Ω/M'	8.3Ω/M'	.404	10.26	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	45.5	20.7	21.0Ω/km	27.2Ω/km								
		CEC:		(Tech Info	1000	304.8	93.0	42.3										
		CM		Section)														
	9774	NEC:	6	See	100	30.5	19.4	8.8	6.4Ω/M'	8.3Ω/M'	.560	14.22	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	95.5	43.4	21.0Ω/km	27.2Ω/km								
		CEC:		(Tech Info	1000	304.8	189.0	85.9										
		CM		Section)														
	9775	NEC:	9	See	100	30.5	26.6	12.1	6.4Ω/M'	8.3Ω/M'	.655	16.64	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	132.0	60.0	21.0Ω/km	27.2Ω/km								
		CEC:		(Tech Info	1000	304.8	260.0	118.2										
		CM		Section)														
	9776	NEC:	12	See	100	30.5	32.6	14.8	6.4Ω/M'	8.3Ω/M'	.735	18.67	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	171.5	78.0	21.0Ω/km	27.2Ω/km								
		CEC:		(Tech Info	1000	304.8	328.0	149.1										
		CM		Section)														
	9777	NEC:	15	See	100	30.5	43.5	19.8	6.4Ω/M'	8.3Ω/M'	.819	20.8	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	209.0	95.0	21.0Ω/km	27.2Ω/km								
		CEC:		(Tech Info	1000	304.8	451.0	205.0										
		CM		Section)														

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

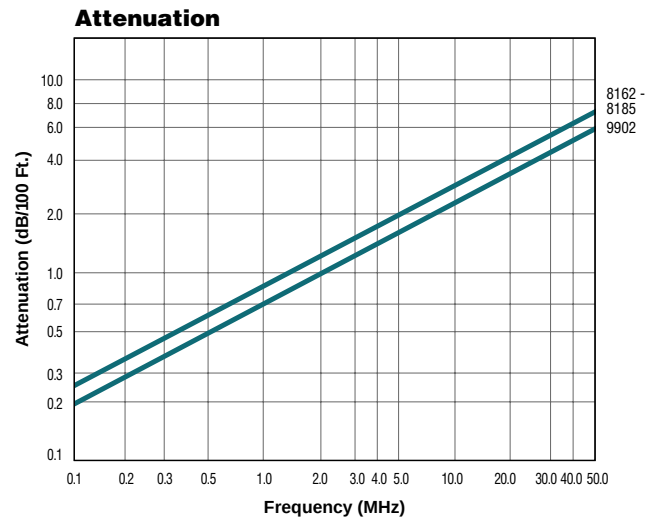
**Capacitance between one conductor and other conductors connected to shield.

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

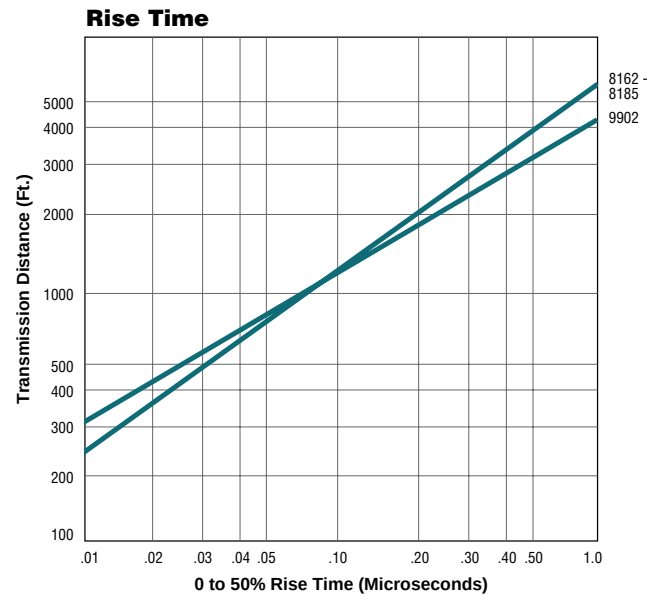


Individually Shielded Pairs with Overall Foil/Braid Shield

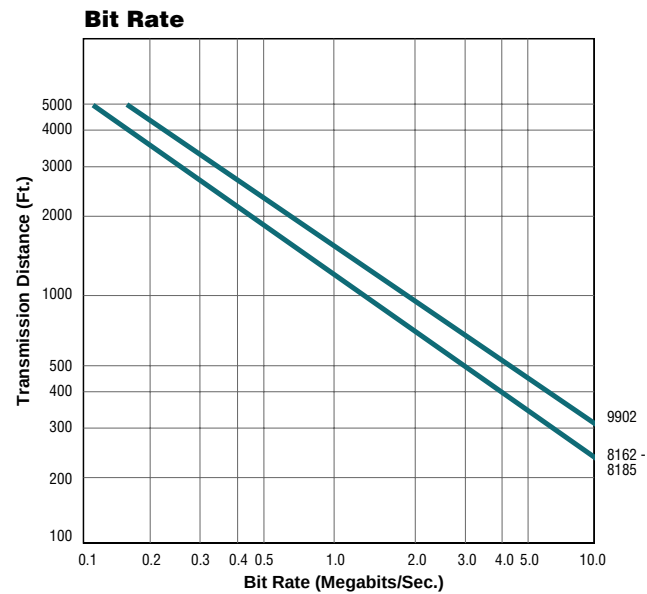
Cable Characteristics



Note: 9902 on page 11.18 in Networking Section



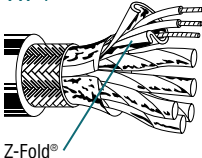
Cables are terminated in their characteristic impedance. Signal source electrical characteristics: 50 ohms and 10% to 90% rise time less than 5 nanoseconds.



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

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	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 • Twisted Pairs Individually Beldfoil® Shielded + Overall 100% Beldfoil + 65% TC Braid Shield • Drain Wire▲																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2493 (60°C) VW-1 	8162	NEC:	2	See Chart 3 (Tech Info Section)	100	30.5	6.2	2.8	24.0Ω/M'	Individual:	.343	8.71	100	78%	12.5	41	22	72.2
		CM			500	152.4	30.0	13.6	78.7Ω/km	18.0Ω/M'								
		CEC:			1000	304.8	57.0	25.9		59.1Ω/km								
		CM								Overall:								
										4.3Ω/M'								
										14.1Ω/km								
	8163	NEC:	3	See Chart 3 (Tech Info Section)	100	30.5	7.0	3.2	24.0Ω/M'	Individual:	.359	9.12	100	78%	12.5	41	22	72.2
		CM			500	152.4	34.0	15.5	78.7Ω/km	18.0Ω/M'								
		CEC:			1000	304.8	66.0	30.0		59.1Ω/km								
		CM								Overall:								
										4.4Ω/M'								
										14.4Ω/km								
	8164	NEC:	4	See Chart 3 (Tech Info Section)	100	30.5	8.2	3.7	24.0Ω/M'	Individual:	.388	9.86	100	78%	12.5	41	22	72.2
		CM			500	152.4	39.5	18.0	78.7Ω/km	18.0Ω/M'								
		CEC:			1000	304.8	79.0	35.9		59.1Ω/km								
		CM								Overall:								
										3.2Ω/M'								
										10.5Ω/km								
	8165	NEC:	5	See Chart 3 (Tech Info Section)	100	30.5	9.0	4.1	24.0Ω/M'	Individual:	.413	10.49	100	78%	12.5	41	22	72.2
		CM			500	152.4	45.0	20.5	78.7Ω/km	18.0Ω/M'								
		CEC:			1000	304.8	89.0	40.5		59.1Ω/km								
		CM								Overall:								
										3.4Ω/M'								
										11.2Ω/km								
	8166	NEC:	6	See Chart 3 (Tech Info Section)	100	30.5	12.7	5.8	24.0Ω/M'	Individual:	.446	11.33	100	78%	12.5	41	22	72.2
		CM			500	152.4	50.0	22.7	78.7Ω/km	18.0Ω/M'								
		CEC:			1000	304.8	99.0	45.0		59.1Ω/km								
		CM								Overall:								
										2.8Ω/M'								
										9.2Ω/km								
	8167	NEC:	7	See Chart 3 (Tech Info Section)	500	152.4	52.5	23.9	24.0Ω/M'	Individual:	.446	11.33	100	78%	12.5	41	22	72.2
		CM			1000	304.8	104.0	47.3	78.7Ω/km	18.0Ω/M'								
		CEC:								59.1Ω/km								
		CM								Overall:								
										2.8Ω/M'								
										9.2Ω/km								

▲24 AWG stranded TC drain wire

▲24 AWG stranded TC drain wire

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

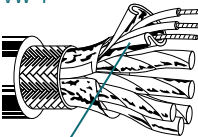
**Capacitance between one conductor and other conductors connected to shield.

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.



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	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 • Twisted Pairs Individually Beldfoil® Shielded + Overall 100% Beldfoil + 65% TC Braid Shield • Drain Wire▲																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2493 (60°C) VW-1  Z-Fold®	8168	NEC: CM CEC: CM	8	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	12.5 61.5 115.0	5.7 28.0 52.3	24.0Ω/M' 78.7Ω/km	Individual: 18.0Ω/M' 59.1Ω/km Overall: 3.0Ω/M' 9.8Ω/km	.479	12.17	100	78%	12.5	41	22	72.2
	8170	NEC: CM CEC: CM	10	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	19.7 83.0 164.0	9.0 37.7 74.5	24.0Ω/M' 78.7Ω/km	Individual: 18.0Ω/M' 59.1Ω/km Overall: 2.7Ω/M' 8.9Ω/km	.584	14.83	100	78%	12.5	41	22	72.2
	8175	NEC: CM CEC: CM	15	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	24.3 107.5 210.0	11.0 48.9 95.5	24.0Ω/M' 78.7Ω/km	Individual: 18.0Ω/M' 59.1Ω/km Overall: 2.5Ω/M' 8.2Ω/km	.665	16.89	100	78%	12.5	41	22	72.2
	8178	NEC: CM CEC: CM	18	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	26.3 117.0 238.0	12.0 53.2 108.2	24.0Ω/M' 78.7Ω/km	Individual: 18.0Ω/M' 59.1Ω/km Overall: 2.6Ω/M' 8.5Ω/km	.686	17.42	100	78%	12.5	41	22	72.2
	8185	NEC: CM CEC: CM	25	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	34.0 160.5 356.0	15.5 73.0 161.8	24.0Ω/M' 78.7Ω/km	Individual: 18.0Ω/M' 59.1Ω/km Overall: 2.4Ω/M' 7.9Ω/km	.822	20.88	100	78%	12.5	41	22	72.2
▲24 AWG stranded TC drain wire																		

▲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.



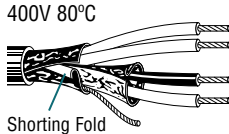
Combination Shields

Special Audio, Communication and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

25 AWG Stranded Conductors (7x33) • Tinned Copper • Overall 100% Beldfoil® Shield Coverage • 25 AWG Stranded TC Drain Wire

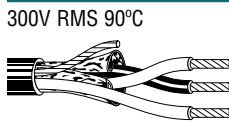
Polyethylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

 400V 80°C 8434 2 Shielded: Red & Black Unshielded: Green & White					100	30.5	2.1	1.0	.013	.33	.020	.51	.165	4.19	25	82	40	131
					500	152.4	7.0	3.2										
					U-1000	U-304.8	13.0	5.9										
					1000	304.8	14.0	6.4										

Red/Black pair 100% Beldfoil shielded with drain wire.
3 copper, 4 copper-covered steel strands in each conductor.

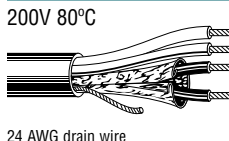
22 AWG Stranded Conductors (7x30) • Tinned Copper • One Pair 100% Beldfoil Shielded • Stranded Tinned Copper Drain Wire

PVC Insulation • Chrome PVC Jacket (Pair and Single Cabled)

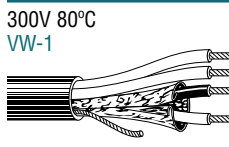
 300V RMS 90°C 9685 NEC: CM 1.5 (1 pair + 1 single) Shielded: Black & White Unshielded: Brown					U-1000	U-304.8	24.0	10.9	.013	.33	.032	.81	.199	5.05	60	197	99	325

Meets NEC Article 800
22 AWG drain wire

Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

 200V 80°C 8730† 2 Shielded: Red & Black Unshielded: Green & White					U-1000	U-304.8	25.0	11.4	.008	.20	.030	.76	.205	5.21	34	111	67	220
					1000	304.8	25.0	11.4										

24 AWG drain wire

 300V 80°C 8724† NEC: CM CEC: CM 2 Shielded: Red & Black Unshielded: Green & White					U-1000	U-304.8	21.0	9.5	.008	.20	.019	.48	.165	4.19	34	112	67	220
					1000	304.8	21.0	9.5										

24 AWG drain wire

22 AWG Stranded Conductors (7x30) • Tinned Copper • Cabled in Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wires

Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

 UL AWM Style 2717 (80°C) 8728 NEC: CM CEC: CM 2 Black & Red Green & White					U-500	U-152.4	15.0	6.8	.010	.25	.028	.71	.215	5.46	35	115	62	203
					500	152.4	15.5	7.0										
					U-1000	U-304.8	30.0	13.6										
					1000	304.8	30.0	13.6										

Meets NEC Article 800
Each pair Beldfoil shielded with individual drain wire plus polyester film over each shield.

TC = Tinned Copper

*Capacitance between conductors.

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

† Request Technical Bulletin T/8-21 before planning high and low level circuits in the same cable.



Combination Shields

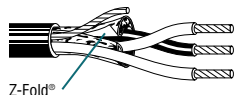
Special Audio, Communication and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

20 AWG Stranded (7x28) • Tinned Copper • Conductors Cabled • 100% Beldfoil® Shield as noted • 20 or 22 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket

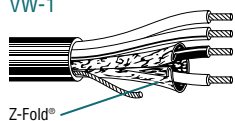
350V 80°C	8763		1.5 (1 pair + 1 single)	Shielded: Black & Red Unshielded: Clear	1000	304.8	27.0	12.3	.014	.36	.028	.71	.210	5.33	26	85	48	157
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Beldfoil shield over Red and Black pair only. Clear conductor is unshielded. 20 AWG drain wire.

PVC Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

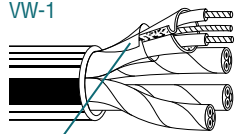
350V 80°C VW-1	8722	NEC: CMG CEC: CMG FT4	2	Shielded: Red & Black Unshielded: Green & White	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	18.0 18.5 36.0 36.0	8.2 8.4 16.4 16.4	.015 .38	.028	.71	.226	5.74	60	197	99	325
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Beldfoil shield over Red and Black conductors only. 22 AWG drain wire.
Request Technical Bulletin T/8-21 before planning high and low level circuits in the same cable.

Polypropylene Insulation • Chrome PVC Jacket (Cabled Around a Common Axis)

400V 105°C VW-1	8725	NEC: CM CEC: CM	4	Red & Black; Green & White; White/Red & White/Black; White/Green & White/Yellow	500 1000	152.4 304.8	38.0 74.0	17.3 33.6	.015 .38	.030	.76	.345	8.76	27	89	49	161
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Shorting Fold

Four groups of two conductors with drain wires, each group individually Beldfoil shielded with polyester tape wrap. 22 AWG drain wire.

20 and 18 AWG Stranded Conductors (7x28 and 16x30) • TC • 100% Beldfoil Shield over 20 AWG Pair • 22 AWG Stranded TC Drain Wire

Polyethylene Insulation • Beige PVC Jacket

UL AWM Style 2094 (300V 60°C)	9155	NEC: CM CEC: CM	2 1 Shld 20 (7x28) 1 Unshld 18 (16x30)	Black & Red Green & White	500 U-1000 1000	152.4 U-304.8 304.8	24.5 47.0 48.0	11.2 21.4 21.8	.020 .51	.031	.79	.262	6.65	24	79	46	151
									.019	.48				22	72		



NEC Article 800

TC = Tinned Copper

*Capacitance between conductors.

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



Plenum-Rated

Unshielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs

Plenum • FEP Insulation • Red FEP Jacket														
	88442	NEC:	1	Black & Red	100	30.5	2.3	1.0	.006	.15	.012	.30	.102	2.59
		CMP			500†	152.4	5.5	2.5						
		CEC:			1000†	304.8	10.0	4.5						
		CMP FT6												
	88741	NEC:	2	Black & Red, Black & White	500†	152.4	9.5	4.3	.006	.15	.012	.30	.169	4.29
		CMP			1000†	304.8	21.0	9.5						
		CEC:												
		CMP FT6												
	88757	NEC:	4	Black & Red, Black & White, Black & Green, Black & Blue	500†	152.4	16.0	7.3	.006	.15	.012	.30	.200	5.08
		CMP			1000†	304.8	33.0	15.0						
		CEC:												
		CMP FT6												

Plenum • FEP Insulation • Natural Flamarrest® Jacket														
	82442 new	NEC:	1	Black & Red	U-1000†	U-304.8	83.0	37.7	.006	.15	.014	.36	.112	2.84
		CMP			1000†	304.8	84.0	38.2						
		CEC:												
		CMP FT6												
	82741	NEC:	2	Black & Red, Black & White	U-1000†	U-304.8	18.0	8.2	.006	.15	.014	.36	.179	4.55
		CMP			1000†	304.8	21.0	9.5						
		CEC:												
		CMP FT6												
	82742	NEC:	3	Black & Red, Black & White, Black & Green	U-1000†	U-304.8	24.0	10.9	.006	.15	.014	.36	.191	4.85
		CMP			1000†	304.8	28.0	12.7						
		CEC:												
		CMP FT6												
	82757	NEC:	4	Black & Red, Black & White, Black & Green, Black & Blue	U-1000	U-304.8	31.0	14.1	.006	.15	.014	.36	.210	5.33
		CMP			1000†	304.8	34.0	15.5						
		CEC:												
		CMP FT6												
	82743	NEC:	6	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown	U-1000†	U-304.8	44.0	20.0	.006	.15	.014	.36	.237	6.02
		CMP			1000†	304.8	45.0	20.5						
		CEC:												
		CMP FT6												

18 AWG Stranded Conductors (19x30) • Tinned Copper • Twisted Pair

Plenum • FEP Insulation • Red FEP Jacket														
	89740	NEC:	1	Black & Red	100	30.5	3.0	1.4	.006	.17	.009	.23	.136	3.45
		CMP			500†	152.4	9.0	4.1						
		CEC:			1000†	304.8	17.0	7.7						
		CMP FT6												

Plenum • FEP Insulation • Red Fluorocopolymer Jacket														
	87740	NEC:	1	Black & Red	500†	152.4	9.0	4.1	.006	.17	.011	.28	.140	3.56
		CMP			1000†	304.8	17.0	7.7						
		CEC:												
		CMP FT6												

Plenum • FEP Insulation • Natural Flamarrest Jacket														
	82740	NEC:	1	Black & Red	U-1000	U-304.8	17.0	7.7	.006	.17	.014	.36	.146	3.71
		CMP			1000†	304.8	18.0	8.2						
		CEC:												
		CMP FT6												

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



Plenum-Rated

Overall Beldfoil® Shield

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		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance				
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m	
24 AWG Stranded Conductors (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire																			
Plenum • FEP Insulation • Red FEP Jacket																			
	300V RMS, Non-conduit	88641	NEC:	1	Black & Red	100	30.5	2.4	1.1	.006	.15	.014	.36	.106	2.69	31	102	59	194
			CMP			500†	152.4	6.0	2.7										
			CEC:			1000†	304.8	11.0	5.0										
			CMP FT6																
	89503	NEC:	3	Black & White, Black & Red, Black & Green	100	30.5	4.0	1.8	.006	.15	.014	.36	.175	4.45	21	69	40	131	
		CMP			500†	152.4	12.0	5.5											
		CEC:			1000†	304.8	23.0	10.5											
		CMP FT6																	
	89504	NEC:	4	Black & White, Black & Red, Black & Green, Black & Blue	500†	152.4	14.5	6.6	.006	.15	.014	.36	.192	4.88	21	69	40	131	
		CMP			1000†	304.8	31.0	14.1											
CEC:																			
CMP FT6																			
89505	NEC:	5	Black & White, Black & Red, Black & Green, Black & Blue, Black & Yellow	100	30.5	4.9	2.2	.006	.15	.014	.36	.197	5.00	21	69	40	131		
	CMP			1000†	304.8	35.0	15.9												
	CEC:																		
	CMP FT6																		
Plenum • FEP Insulation • Natural Flamarrest® Jacket																			
	300V RMS, Non-conduit	82641	NEC:	1	Black & Red	U-1000†	U-304.8	9.0	4.1	.006	.15	.014	.36	.106	2.69	31	102	59	194
			CMP			1000†	304.8	10.0	4.5										
			CEC:																
			CMP FT6																
	82502	NEC:	2	Black & White, Black & Red	U-500†	U-152.4	8.0	3.6	.006	.15	.014	.36	.162	4.11	25	82	45	148	
		CMP			U-1000†	U-304.8	15.0	6.8											
		CEC:			1000†	304.8	16.0	7.3											
		CMP FT6																	
	82503	NEC:	3	Black & White, Black & Red, Black & Green	U-1000†	U-304.8	19.0	8.6	.006	.15	.014	.36	.169	4.29	25	82	45	148	
		CMP			1000†	304.8	20.0	9.1											
		CEC:																	
		CMP FT6																	
	82504	NEC:	4	Black & White, Black & Red, Black & Green, Black & Blue	U-1000†	U-304.8	24.0	10.9	.006	.15	.014	.36	.193	4.90	25	82	45	148	
		CMP			1000†	304.8	27.0	12.3											
		CEC:																	
		CMP FT6																	
82505	NEC:	5	See Chart 3 (Tech Info Section)	U-1000†	U-304.8	30.0	13.6	.006	.15	.015	.38	.196	4.98	25	82	45	148		
	CMP			1000†	304.8	33.0	15.0												
	CEC:																		
	CMP FT6																		
82506	NEC:	6	See Chart 3 (Tech Info Section)	U-500†	U-152.4	17.5	8.0	.006	.15	.015	.38	.209	5.31	25	82	45	148		
	CMP			U-1000†	U-304.8	34.0	15.5												
	CEC:			1000†	304.8	37.0	16.8												
	CMP FT6																		
82509	NEC:	9	See Chart 3 (Tech Info Section)	1000†	304.8	49.0	22.3	.006	.15	.015	.38	.246	6.25	23	75	42	138		
	CMP																		
	CEC:																		
	CMP FT6																		
82512	NEC:	12.5 (12 pairs + 1 single)	See Chart 3 (Tech Info Section)	1000†	304.8	60.0	27.3	.006	.15	.015	.38	.278	7.06	23	75	42	138		
	CMP																		
	CEC:																		
	CMP FT6																		

TC = Tinned Copper

*Capacitance between conductors.

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

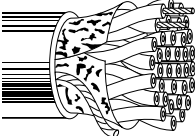
† Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.



Plenum-Rated

Overall Beldfoil® Shield

Low-Capacitance Computer Cables for EIA RS-232, EIA RS-422 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
24 AWG Stranded Conductors (7x32) • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil Shield • 24 AWG Stranded TC Drain Wire																		
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																		
	300V RMS, Non-conduit	88102	NEC: CMP CEC: CMP FT6	2 (Tech Info Section)	500 [†] 1000 [†]	152.4 304.8	12.0 24.0	5.5 10.9	24.0Ω/M' 78.7Ω/km	15.5Ω/M' 50.9Ω/km	.203	5.16	100	78%	12.95	42.5	23.3	76.4
		88103	NEC: CMP CEC: CMP FT6	3 (Tech Info Section)	500 [†] 1000 [†]	152.4 304.8	15.5 31.0	7.0 14.1	24.0Ω/M' 78.7Ω/km	15.5Ω/M' 50.9Ω/km	.239	6.07	100	78%	12.95	42.5	23.3	76.4
		88104	NEC: CMP CEC: CMP FT6	4 (Tech Info Section)	500 [†] 1000 [†]	152.4 304.8	19.0 38.0	8.6 17.3	24.0Ω/M' 78.7Ω/km	14.0Ω/M' 45.9Ω/km	.259	6.58	100	78%	12.95	42.5	23.3	76.4
		88105	NEC: CMP CEC: CMP FT6	5 (Tech Info Section)	500 [†] 1000 [†]	152.4 304.8	25.0 44.0	11.4 20.0	24.0Ω/M' 78.7Ω/km	14.0Ω/M' 45.9Ω/km	.267	6.78	100	78%	12.95	42.5	23.3	76.4
		88106	NEC: CMP CEC: CMP FT6	6 (Tech Info Section)	500 [†] 1000 [†]	152.4 304.8	28.0 50.0	12.7 22.7	24.0Ω/M' 78.7Ω/km	14.0Ω/M' 45.9Ω/km	.293	7.44	100	78%	12.95	42.5	23.3	76.4
		88107	NEC: CMP CEC: CMP FT6	7.5 (7 pairs + 1 single) (Tech Info Section)	500 [†] 1000 [†]	152.4 304.8	32.5 59.0	14.8 26.8	24.0Ω/M' 78.7Ω/km	14.0Ω/M' 45.9Ω/km	.293	7.44	100	78%	12.95	42.5	23.3	76.4
		88109	NEC: CMP CEC: CMP FT6	9 (Tech Info Section)	500 [†] 1000 [†]	152.4 304.8	36.5 74.0	16.6 33.6	24.0Ω/M' 78.7Ω/km	13.0Ω/M' 42.7Ω/km	.352	8.94	100	78%	12.95	42.5	23.3	76.4
		88112	NEC: CMP CEC: CMP FT6	12.5 (12 pairs + 1 single) (Tech Info Section)	500 [†] 1000 [†]	152.4 304.8	48.0 97.0	21.8 44.1	24.0Ω/M' 78.7Ω/km	11.8Ω/M' 38.7Ω/km	.397	10.08	100	78%	12.95	42.5	23.3	76.4
		88118	NEC: CMP CEC: CMP FT6	18.5 (18 pairs + 1 single) (Tech Info Section)	500 [†] 1000 [†]	152.4 304.8	66.5 148.0	30.2 67.3	24.0Ω/M' 78.7Ω/km	11.0Ω/M' 36.1Ω/km	.482	12.24	100	78%	12.95	42.5	23.3	76.4
	88125	NEC: CMP CEC: CMP FT6	25 (Tech Info Section)	500 [†] 1000 [†]	152.4 304.8	98.0 195.0	44.5 88.6	24.0Ω/M' 78.7Ω/km	9.6Ω/M' 31.5Ω/km	.581	14.76	100	78%	12.95	42.5	23.3	76.4	

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.



Plenum-Rated

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 22 AWG Stranded TC Drain Wire

Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS, Non-conduit	88761	NEC:	1	Black,	100	30.5	2.7	1.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
		CMP		Red	U-500	U-152.4	7.0	3.2										
		CEC:			500†	152.4	7.5	3.4										
		CMP FT6			U-1000	U-304.8	13.0	5.9										
					1000†	304.8	14.0	6.4										

Plenum • FEP Insulation • Red Fluorocopolymer Jacket																			
300V RMS, Non-conduit	87761	NEC:	1	Black,	500 [†]	152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220	
		CMP		Red	1000 [†]	304.8	13.0	5.9											
		CEC:																	
		CMP FT6																	
Z-Fold®																			

Plenum • FEP Insulation • Natural Flamarrest® Jacket																		
300V RMS, Non-conduit	82761	NEC:	1	Black,	U-500†	U-152.4	6.5	3.0	.006	.15	.014	.36	.116	2.95	35	115	67	220
		CMP		Red	U-1000†	U-304.8	12.0	5.5										
		CEC:			1000†	304.8	13.0	5.9										
		CMP FT6																
																		

18 AWG Stranded Conductors (19x30) • Tinned Copper • Twisted Pair • Overall 100% Beldfoil Shield • 20 AWG Stranded TC Drain Wire

Plenum • FEP Insulation • Red FEP Jacket																		
300V RMS, Non-conduit	88760	NEC:	1	Black, Red	100	30.5	3.7	1.7	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP			U-500	U-152.4	12.5	5.7										
		CEC:			500†	152.4	13.0	5.9										
		CMP FT6			U-1000	U-304.8	24.0	10.9										
					1000†	304.8	24.0	10.9										

Plenum • FEP Insulation • Red Fluorocopolymer Jacket																		
300V RMS, Non-conduit	87760	NEC:	1	Black,	U-500	U-152.4	12.0	5.5	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP		Red	500†	152.4	12.5	5.7										
		CEC:			1000†	304.8	23.0	10.5										
		CMP FT6																
Z-Fold®																		

Plenum • FEP Insulation • Natural Flamarrest Jacket																		
300V RMS, Non-conduit	82760	NEC:	1	Black,	U-500 [†]	U-152.4	11.5	5.2	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP		Red	U-1000 [†]	U-304.8	22.0	10.0										
		CEC:			1000 [†]	304.8	23.0	10.5										
	Z-Fold®	CMP FT6																

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.



Plenum-Rated

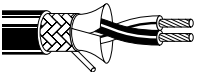
Overall Foil/Braid Shield

Low-Capacitance Computer and Computer P.O.S. 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

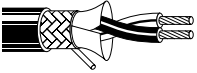
Low Cap 24 AWG Stranded (7x32) • TC • Twisted Pairs • Overall 100% Beldfoil® + 90% TC Braid Shield • 24 AWG Stranded TC Drain Wire

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

300V RMS, Non-conduit 	82841 new	NEC:	1	See Chart 5 (Tech Info Section)	500	152.4	16.0	7.3	24.0Ω/M'	3.1Ω/M'	.204	5.18	120	76%	12	39.4	22	72.2
		CMP CEC: CMP FT6			1000	304.8	28.0	12.7	78.7Ω/km	10.2Ω/km								

300V RMS, Non-conduit 	82842 new	NEC:	2	See Chart 5 (Tech Info Section)	500	152.4	21.0	9.5	24.0Ω/M'	2.4Ω/M'	.273	6.93	120	76%	12	39.4	22	72.2
		CMP CEC: CMP FT6			1000	304.8	42.0	19.1	78.7Ω/km	7.9Ω/km								

Plenum • Foam FEP Insulation • Red FEP Jacket

300V RMS, Non-conduit 	89841 new	NEC:	1	See Chart 5 (Tech Info Section)	500	152.4	15.5	7.0	24.0Ω/M'	3.1Ω/M'	.202	5.13	120	76%	12	39.4	22	72.2
		CMP CEC: CMP FT6			1000	304.8	29.0	13.2	78.7Ω/km	10.2Ω/km								

22 AWG Solid • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil + 90% TC Braid Shield • 22 AWG Solid TC Drain Wire

Plenum • Solid FEP Insulation • Black FEP Jacket

300V RMS, Non-conduit 	1269A	NEC:	2	Red & Blue, Black & Yellow	1000†	304.8	48.0	21.8	16.5Ω/M'	2.1Ω/M'	.240	6.10	100	69.5%	15.5	50.9	27	88.6
		MPP, CMP CEC: MPP, CMP FT6							54.1Ω/km	6.9Ω/km								

22 AWG Solid • Tinned Copper • Twisted Pairs • Overall 100% Beldfoil + 55% TC Braid Shield plus Polyester Tape • 22 AWG Solid TC Drain Wire

Plenum • Solid FEP Insulation • Black FEP Jacket

300V RMS, Non-conduit 	89855	NEC:	2	1 Pair: Red & Blue	500†	152.4	24.0	10.9	16.5Ω/M'	4.9Ω/M'	.272	6.91	100	69.5%	15.5	50.9	27	88.6
		MPP, CMP CEC: MPP, CMP FT6			1000†	304.8	42.0	19.1	54.1Ω/km	16.1Ω/km								

22 AWG Solid • Bare Copper • Twisted Pairs • Overall 100% Beldfoil + 55% TC Braid Shield • 22 AWG Solid TC Drain Wire

Plenum • Solid FEP Insulation • Black FEP Jacket

300V RMS, Non-conduit 	89696	NEC:	2	1 Pair: Blue & White with Blue Stripe	500†	152.4	25.0	11.4	16.5Ω/M'	4.2Ω/M'	.262	6.65	100	69.5%	15.5	50.9	27	88.6
		MPP, CMP CEC: MPP, CMP FT6			1000†	304.8	47.0	21.4	54.1Ω/km	13.8Ω/km								

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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

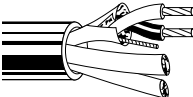
† Spools are one piece, but length may vary ±10% from length shown.



Plenum-Rated

Individually Shielded Pairs

Low-Capacitance Computer Cables for EIA RS-232, EIA RS-422 and Digital Audio 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) • Tinned Copper • Twisted Pairs • Individually Shielded with 100% Beldfoil® • 24 AWG Stranded TC Drain Wire																		
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																		
	300V RMS, Non-conduit	89729	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	18.5 31.0	8.4 14.1	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.261 6.63	100	78%	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	23.0 40.0	10.5 18.2	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.278 7.06	100	78%	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	78%	13.5	44	22.5	73.8
		89705	NEC: CMP CEC: CMP FT6	5	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	30.5 62.0	13.9 28.2	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.327 8.31	100	78%	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	78%	13.5	44	22.5	73.8
		89757	NEC: CMP CEC: CMP FT6	7	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	39.5 80.0	18.0 36.4	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.361 9.17	100	78%	13.5	44	22.5	73.8
		89732	NEC: CMP CEC: CMP FT6	9	See Chart 5 (Tech Info Section)	1000†	304.8	106.0	48.2	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.429 10.90	100	78%	13.5	44	22.5	73.8
		89734	NEC: CMP CEC: CMP FT6	12	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	71.0 140.0	32.3 63.6	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.498 12.65	100	78%	13.5	44	22.5	73.8
		89758	NEC: CMP CEC: CMP FT6	18	See Chart 5 (Tech Info Section)	500† 1000†	152.4 304.8	100.5 204.0	45.7 92.7	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.616 15.65	100	78%	13.5	44	22.5	73.8
Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket																		
	300V RMS, Non-conduit	82729	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	U-1000 1000†	U-304.8 304.8	27.0 28.0	12.3 12.7	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.255 6.48	100	78%	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.

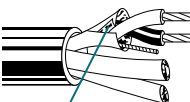
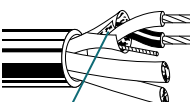
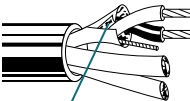
† Spools are one piece, but length may vary ±10% from length shown.



Plenum-Rated

Individually Shielded Pairs

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
22 AWG Stranded Conductors (7x30) • Tinned Copper • Twisted Pairs • Individually Shielded 100% Beldfoil® • 22 AWG Stranded TC Drain Wire††																		
Plenum • Halar® Insulation • Natural Flamarrest® Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
 Z-Fold®	82723	NEC:	2	Red & Black, Green & White	U-500†	U-152.4	10.0	4.5	14.7Ω/M'	16.6Ω/M'	.148	3.76	36	62%	43	141	75	246
		CMP			U-1000	U-304.8	19.0	8.6	48.2Ω/km	54.5Ω/km								
		CEC:			1000†	304.8	20.0	9.1										
		CMP FT6			U-2000†	U-609.6	38.0	17.3										
††82723 has 24 AWG drain wire Pairs cabled on common axis to reduce diameter.																		
 Z-Fold®	82777	NEC:	3	See Chart 3 (Tech Info Section)	U-500†	U-152.4	19.0	8.6	14.7Ω/M'	11.3Ω/M'	.234	5.94	46	62%	35	115	76	249
		CMP			U-1000	U-304.8	38.0	17.3	48.2Ω/km	37.1Ω/km								
		CEC:			1000†	304.8	39.0	17.7										
		CMP FT6																
 Z-Fold®	82778	NEC:	6	See Chart 3 (Tech Info Section)	1000†	304.8	67.0	30.5	14.7Ω/M'	11.3Ω/M'	.330	8.38	46	62%	35	115	76	249
		CMP							48.2Ω/km	37.1Ω/km								
		CEC:																
		CMP FT6																
Plenum • FEP Insulation • Red FEP Jacket																		
 Z-Fold®	88723	NEC:	2	Red & Black, Green & White	100	30.5	3.4	1.5	14.7Ω/M'	16.6Ω/M'	.148	3.76	40	69%	35	115	67	220
		CMP			500	152.4	11.0	5.0	48.2Ω/km	54.5Ω/km								
		CEC:			1000	304.8	21.0	9.5										
		CMP FT6																
††88723 has 24 AWG drain wire																		
 Z-Fold®	88777	NEC:	3	See Chart 3 (Tech Info Section)	100	30.5	6.0	2.7	14.7Ω/M'	11.3Ω/M'	.234	5.94	50	69%	31	102	67	220
		CMP			500†	152.4	21.0	9.5	48.2Ω/km	37.1Ω/km								
		CEC:			1000†	304.8	42.0	19.1										
		CMP FT6																
 Z-Fold®	88778	NEC:	6	See Chart 3 (Tech Info Section)	100	30.5	8.8	4.0	14.7Ω/M'	11.3Ω/M'	.309	7.85	50	69%	31	102	67	220
		CMP			500†	152.4	40.0	18.2	48.2Ω/km	37.1Ω/km								
		CEC:			1000†	304.8	75.0	34.1										
		CMP FT6																
Pairs cabled on common axis to reduce diameter.																		
Plenum • FEP Insulation • Red Fluorocopolymer Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
 Z-Fold®	87723	NEC:	2	Red & Black, Green & White	500†	152.4	11.0	5.0	14.7Ω/M'	16.6Ω/M'	.148	3.76	40	69%	35	115	67	220
		CMP			1000†	304.8	20.0	9.1	48.2Ω/km	54.5Ω/km								
		CEC:																
		CMP FT6																
††87723 has 24 AWG drain wire.																		
 Z-Fold®	87777	NEC:	3	See Chart 3 (Tech Info Section)	500†	152.4	20.0	9.1	14.7Ω/M'	11.3Ω/M'	.234	5.94	50	69%	31	102	67	220
		CMP			1000†	304.8	40.0	18.2	48.2Ω/km	37.1Ω/km								
		CEC:																
		CMP FT6																
 Z-Fold®	87778	NEC:	6	See Chart 3 (Tech Info Section)	500†	152.4	37.5	17.0	14.7Ω/M'	11.3Ω/M'	.309	7.85	50	69%	31	102	67	220
		CMP			1000†	304.8	73.0	33.2	48.2Ω/km	37.1Ω/km								
		CEC:																
		CMP FT6																
Pairs cabled on common axis to reduce diameter.																		

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 show.

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