

Introduction

Belden® multi-conductor cables are manufactured in a wide variety of gage sizes, dimensions, insulation materials, shielding configurations, and jacketing materials including Plenum and High-Temperature versions. These cables meet the technical requirements of many different types of systems. In fact, Belden offers one of the broadest lines of UL Listed, NEC and CEC multi-conductor cables available from any single source.

Applications for multi-conductor cables include computers, communications, instrumentation, sound, control, audio, and data transmission. Each of these cables is designed to protect signal integrity under critical conditions by reducing hum, noise, and crosstalk.

To assist you in selecting the proper cable for your application, both the suggested working voltages and the maximum temperature ratings are indicated for each applicable product in this section.

Most of our multi-conductor 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 multi-conductor cable in this catalog section that meets your technical requirements, contact Technical Support at 1-800-BELDEN-1.

Multi-Conductor Cables Packaging

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

Selection Guide

Shielded Multi-Conductor Computer Cables for RS-232 Applications

Specifications	Cable Series*				
	9925	9608	9533	9939	
Conductor Size: (AWG)	28				
	24	✓	✓	✓	
	22				
	20			✓	
	18				
Page No.	4.18	4.17	4.11	4.19	
Insulation:	S-R PVC		✓	✓	✓
	Polyethylene				
	Polypropylene				
	Datalene®†	✓			
Shield:	Overall Foil			✓	
	Drain Wire	✓		✓	
	Overall Foil/Braid	✓	✓		✓
	Braid Coverage	65%	65%		65%
Drain Wire Overall:	Yes	No	Yes	No	
No. of Cond. Available:	1				
	2				
	3	✓	✓	✓	✓
	4	✓	✓	✓	✓
	5	✓	✓	✓	✓
	6	✓	✓	✓	✓
	7	✓	✓	✓	✓
	8	✓	✓	✓	✓
	9	✓	✓	✓	✓
	10	✓	✓	✓	✓
	11				
	12				
	13				
	15	✓	✓	✓	✓
	17				
	18				
	19				
	20			✓	
	25	✓	✓	✓	✓
	27				
30			✓		
31					
37	✓	✓		✓	
40			✓		
50		✓	✓	✓	
Capacitance** (pF/ft.)	12.0	30.0	30.0	35.0	

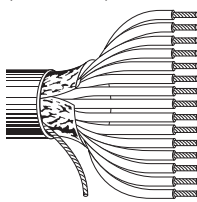
*All cables are UL-listed.

**Capacitance may vary on some cables.

† Foam high density polyethylene.

Overall Beldfoil® Shield

Computer Cables for EIA RS-232 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	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 (7x32) TC Conductors • Conductors Cabled • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Semi-rigid PVC Insulation • Chrome PVC Jacket																		
	UL AWM Style 2464 (300V 80°C)	9533	NEC: CMG CEC: CMG FT4	3	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	2.7 9.5 9.0 18.0 18.0	1.2 4.3 4.1 8.2 8.2	.010 .25 .032 .81 .162	.032 .81 .162	4.11	33	108	65	213		
		9534	NEC: CMG CEC: CMG FT4	4	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.0 11.0 11.5 21.0 22.0	1.4 5.0 5.2 9.5 10.0	.010 .25 .032 .81 .184	.032 .81 .184	4.67	33	108	65	213		
		9535	NEC: CMG CEC: CMG FT4	5	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.2 12.0 11.0 23.0 22.0	1.5 5.4 5.0 10.4 10.0	.010 .25 .032 .81 .189	.032 .81 .189	4.80	33	108	65	213		
		9536	NEC: CMG CEC: CMG FT4	6	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.6 14.5 12.5 27.0 29.0	1.6 6.6 5.7 12.3 13.2	.010 .25 .032 .81 .209	.032 .81 .209	5.31	33	108	65	213		
		9537	NEC: CMG CEC: CMG FT4	7	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.7 15.0 13.5 29.0 30.0	1.7 6.8 6.2 13.2 13.7	.010 .25 .032 .81 .209	.032 .81 .209	5.31	33	108	65	213		
		9538	NEC: CMG CEC: CMG FT4	8	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.8 17.0 15.0 32.0 34.0	1.7 7.7 6.8 14.6 15.4	.010 .25 .032 .81 .224	.032 .81 .224	5.69	33	108	65	213		
		9539	NEC: CMG CEC: CMG FT4	9	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	4.2 20.0 17.0 37.0 38.0	1.9 9.1 7.8 16.9 17.3	.010 .25 .032 .81 .244	.032 .81 .244	6.20	30	98	55	180		
		9540	NEC: CMG CEC: CMG FT4	10	See Chart 1 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	4.3 19.5 18.0 38.0 36.0	2.0 8.9 8.2 17.2 16.4	.010 .25 .032 .81 .244	.032 .81 .244	6.20	30	98	55	180		
		9541	NEC: CMG CEC: CMG FT4	15	See Chart 2R (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	5.9 27.5 28.0 54.0 56.0	2.7 12.5 12.7 24.5 25.4	.010 .25 .032 .81 .284	.032 .81 .284	7.21	30	98	55	180		
		9542	NEC: CMG CEC: CMG FT4	20	See Chart 2R (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	7.3 34.0 35.5 69.0 69.0	3.3 15.4 16.1 31.3 31.3	.010 .25 .032 .81 .314	.032 .81 .314	7.98	30	98	55	180		
	9543	NEC: CMG CEC: CMG FT4	25	See Chart 2R (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	8.7 44.0 44.0 86.0 86.0	4.0 20.0 20.0 39.0 39.0	.010 .25 .032 .81 .339	.032 .81 .339	8.61	30	98	55	180			
	9544	NEC: CMG CEC: CMG FT4	30	See Chart 2R (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	10.3 51.5 51.5 102.0 102.0	4.7 23.4 23.4 46.3 46.3	.010 .25 .040 1.02 .380	.040 1.02 .380	9.65	30	98	55	180			
	9545	NEC: CMG CEC: CMG FT4	40	See Chart 2R (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	13.5 65.0 65.0 130.0 130.0	6.1 29.5 29.5 59.0 59.0	.010 .25 .040 1.02 .430	.040 1.02 .430	10.92	30	98	55	180			
	9546	NEC: CMG CEC: CMG FT4	50	See Chart 2R (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	16.4 81.5 81.5 168.0 168.0	7.4 37.0 37.0 76.3 76.3	.010 .25 .045 1.14 .490	.045 1.14 .490	12.45	30	98	55	180			

TC = Tinned Copper

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

BELDENFor more information, contact **Belden Technical Support: 1-800-BELDEN-1 • www.belden.com****Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr**

Overall Foil/Braid Shield

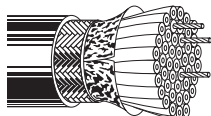
Computer Cables for EIA RS-232 Applications and IEEE 488 Interface,
Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-423 Applications

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

28 AWG Stranded (7x36) Tinned Copper Conductors • Overall Beldfoil® (100% Coverage) + Tinned Copper Braid Shield (65% Coverage)

Semi-rigid PVC Insulation • Chrome PVC Jacket

UL AWM Style 2464 (300V 80°C)	9637	NEC: CL2	25	See Chart 2R	100	30.5	6.2	2.8	.305	7.75	64.9Ω/M'	4.5Ω/M'	66%	30	98	50	164
CSA AWM I B FT4				(Tech Info Section)	500	152.4	30.0	13.6			212.9Ω/km	14.8Ω/km					
					1000	304.8	59.0	26.8									



Low Cap 28 AWG Stranded (7x36) TC Conductors • Overall Beldfoil (100% Coverage) + TC Braid Shield (65% Coverage) • Drain Wire†

Datalene® Insulation • Chrome PVC Jacket

UL AWM Style 2919 (30V 80°C)	9791	NEC: CL2	6	See Chart 1	500	152.4	13.0	6.0	.225	5.72	64.9Ω/M'	6.15Ω/M'	78%	12	39.4	22	72.2
VW-1				(Tech Info Section)	1000	304.8	29.0	13.2			212.9Ω/km	20.2Ω/km					

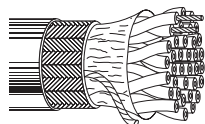


†28 AWG Stranded TC Drain Wire

IEEE 488 • 26 AWG & 24 AWG Stranded (7x34 & 7x32) TC Cond. • Overall Beldfoil (100% Coverage) + TC Braid Shield (90% Coverage) • Drain Wire

Semi-rigid PVC Insulation • Gray PVC Jacket

UL AWM Style 2464 (300V 80°C)	9641	NEC: CMG	23: (6)	See Chart 1	1000	304.8	82.0	37.4	.350	8.89	26 AWG: 37.3Ω/M'	2.6Ω/M'	66%	—	—	—	—
CSA AWM I A		CEC: CMG FT4	26 AWG Pairs	(Tech Info Section)							122.4Ω/km	8.5Ω/km					
			(10) 26 AWG Cond.								24 AWG: 23.3Ω/M'	76.4Ω/km					
			(1) 24 AWG Cond.														



TC = Tinned Copper

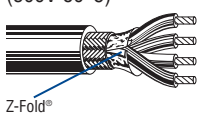
*Capacitance between conductors.

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

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

Overall Foil/Braid Shield

Computer Cables for EIA RS-232 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nominal Capacitance				
					Ft.	m	Lbs.	kg	Inch	mm	Cond.	Shield	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m	
24 AWG Stranded (7x32) TC Conductors • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage)																	
Semi-rigid PVC Insulation • Chrome PVC Jacket																	
UL AWM Style 2464 (300V 80°C)	9608	NEC:	3	See Chart 1 (Tech Info Section)	100	30.5	3.1	1.4	.190	4.83	25.0Ω/M'	9.8Ω/M'	35	115	65	213	
		CMG:			500	152.4	12.0	5.4			82.0Ω/km	32.2Ω/km					
	9609	CEC:	4	See Chart 1 (Tech Info Section)	100	30.5	3.5	1.6	.200	5.08	25.0Ω/M'	9.8Ω/M'	35	115	65	213	
		CMG:			500	152.4	13.5	6.1			82.0Ω/km	32.2Ω/km					
	9610	CEC:	5	See Chart 1 (Tech Info Section)	100	30.5	4.0	1.8	.215	5.46	25.0Ω/M'	6.5Ω/M'	35	115	65	213	
		CMG:			500	152.4	16.0	7.3			82.0Ω/km	21.3Ω/km					
	9611	CEC:	6	See Chart 1 (Tech Info Section)	100	30.5	4.2	1.9	.225	5.72	25.0Ω/M'	7.0Ω/M'	30	98.4	55	180	
		CMG:			500	152.4	17.0	7.7			82.0Ω/km	23.0Ω/km					
	9612	CEC:	7	See Chart 1 (Tech Info Section)	100	30.5	4.2	1.9	.225	5.72	25.0Ω/M'	6.9Ω/M'	30	98.4	55	180	
		CMG:			500	152.4	18.5	8.4			82.0Ω/km	22.6Ω/km					
	9613	CEC:	8	See Chart 1 (Tech Info Section)	100	30.5	4.5	2.0	.240	6.10	25.0Ω/M'	7.3Ω/M'	30	98.4	55	180	
		CMG:			500	152.4	21.0	9.5			82.0Ω/km	23.9Ω/km					
	9614	CEC:	9	See Chart 1 (Tech Info Section)	100	30.5	4.8	2.2	.253	6.43	25.0Ω/M'	7.5Ω/M'	30	98.4	55	180	
		CMG:			500	152.4	22.0	10.0			82.0Ω/km	24.6Ω/km					
	9615	CEC:	10	See Chart 1 (Tech Info Section)	100	30.5	5.4	2.5	.270	6.86	25.0Ω/M'	6.9Ω/M'	30	98.4	55	180	
		CMG:			500	152.4	25.0	11.4			82.0Ω/km	22.6Ω/km					
	9616	CEC:	15	See Chart 2R (Tech Info Section)	100	30.5	6.6	3.0	.300	7.62	25.0Ω/M'	6.9Ω/M'	30	98.4	55	180	
		CMG:			500	152.4	31.5	14.3			82.0Ω/km	22.6Ω/km					
	9617	CEC:	25	See Chart 2R (Tech Info Section)	100	30.5	10.1	4.6	.370	9.40	25.0Ω/M'	5.1Ω/M'	30	98.4	55	180	
		CMG:			500	152.4	49.5	22.5			82.0Ω/km	16.7Ω/km					
	9618	CEC:	37	See Chart 2R (Tech Info Section)	100	30.5	13.7	6.2	.411	10.43	25.0Ω/M'	4.4Ω/M'	30	98.4	55	180	
		CMG:			500	152.4	66.5	30.2			82.0Ω/km	14.4Ω/km					
	9619	CEC:	50	See Chart 2R (Tech Info Section)	100	30.5	17.2	7.8	.485	12.32	25.0Ω/M'	4.3Ω/M'	30	98.4	55	180	
		CMG:			500	152.4	93.0	42.2			82.0Ω/km	14.1Ω/km					
		CEC:			1000	304.8	182.0	82.6									

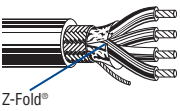
DCR = DC Resistance • TC = Tinned Copper

* Capacitance between conductors.

** Nominal capacitance conductor to conductor and shield.

Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-423 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Vel. of Prop.	Nominal Capacitance				
					Ft.	m	Lbs.	kg	Inch	mm	Cond.	Shield		* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m	
24 AWG Stranded (7x32) TC Conductors • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage) • Drain Wire††																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C) 	9925	NEC:	3	See Chart 1 (Tech Info Section)	100	30.5	3.5	1.6	.215	5.46	24.0Ω/M'	5.2Ω/M'	78%	12	39.4	22	72.2	
		CM:			500	152.4	12.0	5.5			78.7Ω/km	17.0Ω/km						
		CEC:			1000	304.8	24.0	10.9										
		CM:																
	9927	NEC:	4	See Chart 1 (Tech Info Section)	100	30.5	3.6	1.6	.230	5.84	24.0Ω/M'	5.3Ω/M'	78%	12	39.4	22	72.2	
		CM:			500	152.4	14.5	6.6			78.7Ω/km	17.4Ω/km						
		CEC:			1000	304.8	32.0	14.5										
		CM:																
	9929	NEC:	5	See Chart 1 (Tech Info Section)	100	30.5	4.0	1.8	.246	6.25	24.0Ω/M'	4.2Ω/M'	78%	12	39.4	22	72.2	
		CM:			500	152.4	16.0	7.3			78.7Ω/km	13.9Ω/km						
		CEC:			1000	304.8	36.0	16.3										
		CM:																
	9931	NEC:	6	See Chart 1 (Tech Info Section)	100	30.5	4.2	1.9	.265	6.73	24.0Ω/M'	4.4Ω/M'	78%	12	39.4	22	72.2	
		CM:			500	152.4	17.5	8.0			78.7Ω/km	14.4Ω/km						
		CEC:			1000	304.8	39.0	17.7										
		CM:			10000	3048.0	410.0	186.1										
	9932	NEC:	7	See Chart 1 (Tech Info Section)	100	30.5	4.5	2.0	.265	6.73	24.0Ω/M'	4.4Ω/M'	78%	12	39.4	22	72.2	
		CM:			500	152.4	18.5	8.4			78.7Ω/km	14.4Ω/km						
		CEC:			1000	304.8	41.0	18.6										
		CM:																
	9933	NEC:	8	See Chart 1 (Tech Info Section)	100	30.5	4.9	2.2	.280	7.11	24.0Ω/M'	4.4Ω/M'	78%	12	39.4	22	72.2	
		CM:			500	152.4	21.0	9.6			78.7Ω/km	14.4Ω/km						
		CEC:			1000	304.8	46.0	20.9										
		CM:			10000†	3048.0	480.0	217.9										
	9934	NEC:	9	See Chart 1 (Tech Info Section)	100	30.5	5.2	2.4	.300	7.62	24.0Ω/M'	3.9Ω/M'	78%	12	39.4	22	72.2	
		CM:			500	152.4	22.0	10.0			78.7Ω/km	12.6Ω/km						
		CEC:			1000	304.8	48.0	21.8										
		CM:																
	9935	NEC:	10	See Chart 1 (Tech Info Section)	100	30.5	5.7	2.6	.306	7.77	24.0Ω/M'	3.2Ω/M'	78%	12	39.4	22	72.2	
		CM:			500	152.4	28.0	12.7			78.7Ω/km	10.4Ω/km						
		CEC:			1000	304.8	53.0	24.1										
		CM:																
	9936	NEC:	15	See Chart 2R (Tech Info Section)	100	30.5	7.2	3.3	.350	8.89	24.0Ω/M'	3.6Ω/M'	78%	12	39.4	22	72.2	
		CM:			500	152.4	35.0	15.9			78.7Ω/km	11.7Ω/km						
		CEC:			1000	304.8	68.0	30.9										
		CM:																
	9937	NEC:	25	See Chart 2R (Tech Info Section)	100	30.5	9.9	4.5	.445	11.30	24.0Ω/M'	2.8Ω/M'	78%	12	39.4	22	72.2	
		CM:			500	152.4	54.5	24.8			78.7Ω/km	9.1Ω/km						
		CEC:			1000	304.8	108.0	49.0										
		CM:																
	9938	NEC:	37	See Chart 2R (Tech Info Section)	100	30.5	12.9	5.9	.500	12.7	24.0Ω/M'	2.4Ω/M'	78%	12	39.4	22	72.2	
		CM:			500	152.4	71.5	32.5			78.7Ω/km	7.8Ω/km						
		CEC:			1000	304.8	139.0	63.1										
		CM:																

†24 AWG Stranded TC Drain Wire

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

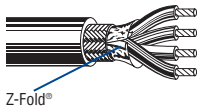
**Nominal capacitance conductor to conductor and shield.

††Final put-up may vary -10% to +20%. May contain two pieces, minimum length of any one piece is 1500 ft.

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

Overall Foil/Braid Shield

Computer Cables for EIA RS-232 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Cond.	Shield	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Stranded (7x30) Tinned Copper Conductors • Overall Beldfoil® (100% Coverage) + Tinned Copper Braid Shield (65% Coverage)																
Semi-rigid PVC Insulation • Chrome PVC Jacket																
	UL AWM Style 2464 (300V 80°C)	9939	NEC: CMG CEC: CMG FT4	3 See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	3.6 14.0 27.0	1.6 6.4 12.3	.202 5.13	14.7Ω/M' 48.2Ω/km	6.2Ω/M' 20.3Ω/km	37 121 67 220				
		9940	NEC: CMG CEC: CMG FT4	4 See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.0 16.5 32.0	1.8 7.5 14.5	.215 5.46	14.7Ω/M' 48.2Ω/km	5.0Ω/M' 16.4Ω/km	37 121 67 220				
		9941	NEC: CMG CEC: CMG FT4	5 See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.2 19.0 38.0	1.8 8.6 17.3	.230 5.84	14.7Ω/M' 48.2Ω/km	7.1Ω/M' 23.3Ω/km	37 121 67 220				
		9942	NEC: CMG CEC: CMG FT4	6 See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.7 22.0 43.0	2.1 10.0 19.5	.245 6.22	14.7Ω/M' 48.2Ω/km	7.9Ω/M' 25.9Ω/km	35 115 63 207				
		9943	NEC: CMG CEC: CMG FT4	7 See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.0 23.5 46.0	2.3 10.8 20.9	.245 6.22	14.7Ω/M' 48.2Ω/km	7.0Ω/M' 23.0Ω/km	35 115 63 207				
		9944	NEC: CMG CEC: CMG FT4	8 See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.5 26.0 52.0	2.5 11.8 23.6	.260 6.60	14.7Ω/M' 48.2Ω/km	6.0Ω/M' 19.7Ω/km	35 115 63 207				
		9945	NEC: CMG CEC: CMG FT4	9 See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.1 28.5 57.0	2.8 12.9 25.9	.280 7.11	14.7Ω/M' 48.2Ω/km	5.1Ω/M' 16.7Ω/km	35 115 63 207				
		9946	NEC: CMG CEC: CMG FT4	10 See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.6 31.5 62.0	3.0 14.3 28.1	.300 7.62	14.7Ω/M' 48.2Ω/km	4.6Ω/M' 15.1Ω/km	35 115 63 207				
		9947	NEC: CMG CEC: CMG FT4	15 See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.7 42.5 83.0	4.0 19.3 37.7	.340 8.64	14.7Ω/M' 48.2Ω/km	4.1Ω/M' 13.5Ω/km	35 115 63 207				
		9948	NEC: CMG CEC: CMG FT4	25 See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	13.3 66.5 132.0	6.0 30.2 59.9	.410 10.41	14.7Ω/M' 48.2Ω/km	3.1Ω/M' 10.2Ω/km	35 115 63 207				
	9949	NEC: CMG CEC: CMG FT4	37 See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	16.1 87.5 180.0	7.3 39.7 81.7	.460 11.68	14.7Ω/M' 48.2Ω/km	2.7Ω/M' 8.9Ω/km	35 115 63 207					
	9950	NEC: CMG CEC: CMG FT4	50 See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	25.2 118.0 238.0	11.4 53.6 108.1	.555 14.10	14.7Ω/M' 48.2Ω/km	2.3Ω/M' 7.5Ω/km	35 115 63 207					

DCR = DC Resistance

*Capacitance between conductors.

**Nominal capacitance conductor to conductor and shield.

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	8132FO	1419A
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	5.14	5.15
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	11.0	13.0

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.



For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

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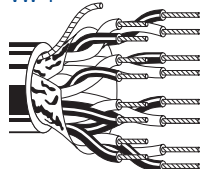
Overall Beldfoil® Shield

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 (7x28) TC Conductors • Pairs Cabled Together • Overall Beldfoil® Shield (100% Coverage) • Drain Wire

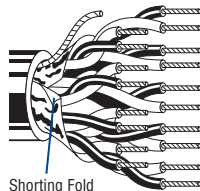
Tefzel® Insulation • Clear Tefzel Jacket

High-Temperature 300V RMS, 150°C VW-1	85164	4	See Chart 3 (Tech Info Section)	100	30.5	6.6	3.0	.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	See Chart 3 (Tech Info Section)	100	30.5	11.5	5.2	.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 (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 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: 1 CMG CEC: CMG FT4	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												
				1000	304.8	14.0	6.4												
 Shorting Fold	9502††	NEC: 2 CMG CEC: CMG FT4 P-MSHA-SC-7K-182037	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	15.0	6.8	78.7Ω/km	55.8Ω/km										
				500	152.4	14.5	6.6												
				U-1000	U-304.8	28.0	12.7												
				1000	304.8	30.0	13.6												
				10000	3048.0	290.0	131.8												
	9503	NEC: 3 CMG CEC: CMG FT4	See Chart 3 (Tech Info Section)	100	30.5	3.4	1.5	24.0Ω/M'	17.0Ω/M'	.232	5.89	75	60%	30	98	50	164		
				U-500	U-152.4	15.0	6.8	78.7Ω/km	55.8Ω/km										
				500	152.4	14.5	6.6												
				U-1000	U-304.8	28.0	12.7												
				1000	304.8	30.0	13.6												
	9504	NEC: 4 CMG CEC: CMG FT4	See Chart 3 (Tech Info Section)	100	30.5	4.0	1.8	24.0Ω/M'	17.0Ω/M'	.265	6.73	75	60%	30	98	50	164		
				U-500	U-152.4	18.0	8.2	78.7Ω/km	55.8Ω/km										
				500	152.4	16.5	7.5												
				U-1000	U-304.8	35.0	15.9												
				1000	304.8	36.0	16.3												
	9505	NEC: 5 CMG CEC: CMG FT4	See Chart 3 (Tech Info Section)	100	30.5	4.7	2.1	24.0Ω/M'	17.0Ω/M'	.289	7.34	75	60%	30	98	50	164		
				U-500	U-152.4	21.5	9.8	78.7Ω/km	55.8Ω/km										
				500	152.4	23.0	10.4												
				U-1000	U-304.8	41.0	18.6												
				1000	304.8	43.0	19.5												

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 is a DuPont trademark.

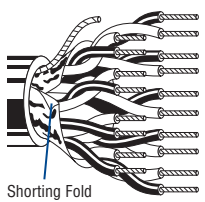


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Overall Beldfoil® Shield

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. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance				
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m	
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire (continued)																			
Semi-rigid PVC Insulation • Chrome PVC Jacket																			
 <p>UL AWM Style 2464 (300V 80°C) CSA AWM I A</p> <p>Shorting Fold</p>	9506	NEC:	6	See	100	30.5	5.0	2.3	24.0Ω/M'	16.0Ω/M'	.289	7.34	75	60%	30	98	50	164	
		CMG		Chart 3	U-500	U-152.4	23.0	10.4	78.7Ω/km	52.5Ω/km									
		CEC:		(Tech Info	500	152.4	25.0	11.3											
	CMG FT4	Section)	U-1000	U-304.8	45.0	20.4			For Plenum version of 9506, see 82506.										
						1000	304.8	47.0	21.4										
		9507	NEC:	7	See	100	30.5	5.5	2.5	24.0Ω/M'	16.5Ω/M'	.294	7.47	75	60%	30	98	50	164
	CMG		Chart 3		U-500	U-152.4	25.0	11.3	78.7Ω/km	54.1Ω/km									
	CEC:		(Tech Info		500	152.4	27.0	12.3											
	CMG FT4	Section)	U-1000	U-304.8	49.0	22.2													
						1000	304.8	51.0	23.1										
	9508	NEC:	8	See	100	30.5	6.3	2.9	24.0Ω/M'	16.5Ω/M'	.324	8.23	75	60%	30	98	50	164	
CMG		Chart 3		500	152.4	30.5	13.8	78.7Ω/km	54.1Ω/km										
CEC:		(Tech Info		1000	304.8	60.0	27.2												
CMG FT4	Section)																		
	9509	NEC:	9	See	100	30.5	6.9	3.1	24.0Ω/M'	16.5Ω/M'	.334	8.48	75	60%	30	98	50	164	
CMG		Chart 3		500	152.4	33.5	15.2	78.7Ω/km	54.1Ω/km										
CEC:		(Tech Info		1000	304.8	67.0	30.4												
CMG FT4	Section)							For Plenum version of 9509, see 82509.											
	9510	NEC:	10	See	100	30.5	7.5	3.4	24.0Ω/M'	16.5Ω/M'	.368	9.34	75	60%	30	98	50	164	
CMG		Chart 3		500	152.4	36.5	16.6	78.7Ω/km	54.1Ω/km										
CEC:		(Tech Info		1000	304.8	74.0	33.6												
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	12.8	5.8	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	16.0	7.3	24.0Ω/M'	16.5Ω/M'	.503	12.8	75	60%	30	98	50	164	
CMG		Chart 3		500	152.4	79.5	36.1	78.7Ω/km	54.1Ω/km										
CEC:		(Tech Info		1000	304.8	155.0	70.3												
CMG FT4	Section)																		
	9550	NEC:	50	Request	100	30.5	31.9	14.5	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 (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire

Plenum • FEP Insulation • Natural Flamarrest® Jacket

	300V RMS	82641	NEC: CMP CEC: CMP FT6	1	See Chart 3 (Tech Info Section)	U-1000† 1000†	U-304.8 304.8	9.0 8.0	4.1 3.6	.006 .15	.15 .014	.36 .36	.106 2.69	31	102	59	194
		82502	NEC: CMP CEC: CMP FT6	2	See Chart 3 (Tech Info Section)	U-500† U-1000†	U-152.4 U-304.8	8.0 16.0	3.6 7.3	.006 .15	.15 .014	.36 .36	.162 4.11	25	82	45	148
		82503	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	U-1000† 1000†	U-304.8 304.8	19.0 18.0	8.6 8.2	.006 .15	.15 .014	.36 .36	.169 4.29	25	82	45	148
		82504	NEC: CMP CEC: CMP FT6	4	See Chart 3 (Tech Info Section)	U-1000† 1000†	U-304.8 304.8	24.0 26.0	10.9 11.8	.006 .15	.15 .014	.36 .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	29.0 31.0	13.2 14.0	.006 .15	.15 .015	.38 .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†	U-152.4 U-304.8	17.5 34.0	8.0 15.5	.006 .15	.15 .015	.38 .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	.15 .015	.38 .38	.246 6.25	23	75	42	138

Plenum • FEP Insulation • Red FEP Jacket

	300V RMS	88641	NEC: CMP CEC: CMP FT6	1	See Chart 3 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	2.4 6.0 9.0	1.1 2.7 4.1	.006 .15	.15 .014	.36 .36	.106 2.69	31	102	59	194
		89503	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	100 500† 1000†	30.5 152.4 304.8	4.0 10.5 21.0	1.8 4.8 9.5	.006 .15	.15 .014	.36 .36	.175 4.45	21	69	40	131
		89504	NEC: CMP CEC: CMP FT6	4	See Chart 3 (Tech Info Section)	500† 1000†	152.4 304.8	13.0 29.0	6.0 13.1	.006 .15	.15 .014	.36 .36	.192 4.88	21	69	40	131
		89505	NEC: CMP CEC: CMP FT6	5	See Chart 3 (Tech Info Section)	100 1000†	30.5 304.8	4.9 33.0	2.2 15.0	.006 .15	.15 .014	.36 .36	.197 5.00	21	69	40	131

TC = Tinned Copper

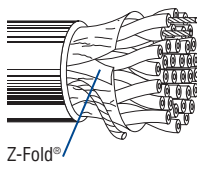
* Capacitance between conductors.

** 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 (7x36) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 28 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
 <p>Z-Fold®</p>	UL AWM Style 2919 (30V 80°C)	8132FO	NEC: CL2	2	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	8.5 20.0	3.9 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	NEC: CL2	3	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	11.0 20.0	5.0 9.1	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	NEC: CL2	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	13.5 31.0	6.1 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	NEC: CL2	5	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	14.0 32.0	6.4 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	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	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	NEC: CL2	18	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	38.5 77.0	17.5 35.0	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	NEC: CL2	25	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	42.0 84.0	19.1 38.2	65.0Ω/M' 213.0Ω/km	14.3Ω/M' 47.7Ω/km	.545 13.85	120	78%	11.0	36.1	20.0	65.6	

DCR = DC Resistance • TC = Tinned Copper

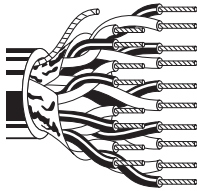
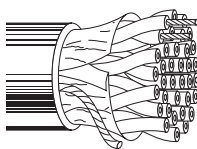
*Capacitance between conductors.

**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 (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
 UL AWM Style 2919 (30V 80°C)	9680	NEC: CM CEC: CM	3	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	17.0 38.0	7.7 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	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	24.0 45.0	10.9 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	See Chart 5 (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	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	38.0 79.0	17.2 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 prs.+ 1 single)	See Chart 5 (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 FT1	2	See Chart 5 (Tech Info Section)	500 1000 10000	152.4 304.8 3048.0	13.5 30.0 310.0	6.1 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 FT 1	3	See Chart 5 (Tech Info Section)	500 1000 10000	152.4 304.8 3048.0	15.0 34.0 340.0	6.8 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	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	16.5 37.0	7.5 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	See Chart 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	See Chart 5 (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 prs.+ 1 single)	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	43.0 85.0	19.5 38.6	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	See Chart 5 (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.

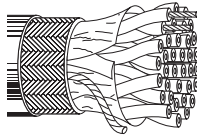


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Overall Foil/Braid Shield

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

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

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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

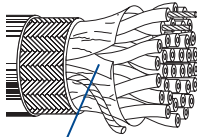


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Overall Foil/Braid Shield

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

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

DCR = DC Resistance • TC = Tinned Copper

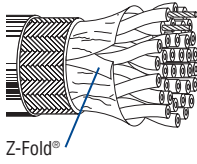
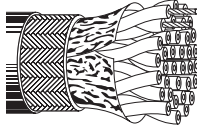
*Capacitance between conductors.

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

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

Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 Applications

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

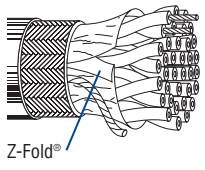
DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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

Overall Foil/Braid Shield

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

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

†24 AWG stranded TC drain wire.

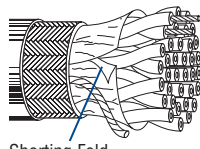
DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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

Overall Foil/Braid Shield

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

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage) • Drain Wire†																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C)	8102	NEC:	2	See	100	30.5	4.1	1.9	24.0Ω/M'	4.6Ω/M'	.270	6.86	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	17.0	7.7	78.7Ω/km	15.1Ω/km								
	8103	CEC:	3	(Tech Info	1000	304.8	38.0	17.3	24.0Ω/M'	3.8Ω/M'	.283	7.19	100	78%	12.5	41	22	72.2
		CM		Section)	10000	3048.0	380.0	172.7										
Shorting Fold	8104	CEC:	4	(Tech Info	1000	304.8	46.0	20.9	24.0Ω/M'	4.1Ω/M'	.302	7.67	100	78%	12.5	41	22	72.2
		CM		Section)	10000	3048.0	490.0	222.7										
	8105	CEC:	5	(Tech Info	1000	304.8	53.0	24.1	24.0Ω/M'	4.2Ω/M'	.316	8.03	100	78%	12.5	41	22	72.2
		CM		Section)	10000	3048.0	58.0	26.4										
	8106	CEC:	6	(Tech Info	1000	304.8	63.0	28.6	24.0Ω/M'	3.5Ω/M'	.341	8.66	100	78%	12.5	41	22	72.2
		CM		Section)	10000	3048.0	63.0	28.6										
	8107	CEC:	7	(Tech Info	1000	304.8	63.0	28.6	24.0Ω/M'	3.5Ω/M'	.341	8.66	100	78%	12.5	41	22	72.2
		CM		Section)	10000	3048.0	63.0	28.6										
	8108	CEC:	8	(Tech Info	1000	304.8	72.0	32.8	24.0Ω/M'	2.7Ω/M'	.370	9.40	100	78%	12.5	41	22	72.2
		CM		Section)	10000	3048.0	72.0	32.8										
	8110	CEC:	10	(Tech Info	1000	304.8	90.0	40.9	24.0Ω/M'	2.4Ω/M'	.427	10.85	100	78%	12.5	41	22	72.2
		CM		Section)	10000	3048.0	90.0	40.9										
	8112	CEC:	12.5 (12 pairs + 1 single)	(Tech Info	1000	304.8	101.0	45.9	24.0Ω/M'	2.4Ω/M'	.440	11.18	100	78%	12.5	41	22	72.2
		CM		Section)	10000	3048.0	101.0	45.9										
	8115	CEC:	15	(Tech Info	1000	304.8	116.0	52.7	24.0Ω/M'	2.6Ω/M'	.495	12.57	100	78%	12.5	41	22	72.2
		CM		Section)	10000	3048.0	116.0	52.7										
	8118	CEC:	18	(Tech Info	1000	304.8	144.0	65.5	24.0Ω/M'	2.1Ω/M'	.537	13.64	100	78%	12.5	41	22	72.2
		CM		Section)	10000	3048.0	144.0	65.5										
	8125	CEC:	25	(Tech Info	1000	304.8	191.0	86.8	24.0Ω/M'	2.0Ω/M'	.632	16.05	100	78%	12.5	41	22	72.2
		CM		Section)	10000	3048.0	191.0	86.8										

†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.

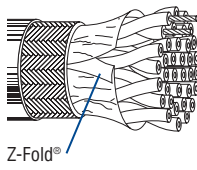
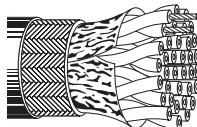


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Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 Applications

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

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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



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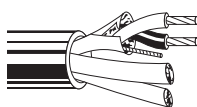
Individually Shielded

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

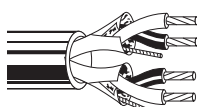
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

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

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket

	300V RMS	89729	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	17.0 31.0	7.7 14.1	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.261 6.63	100	76%	13.5	44	22.5	73.8
		89730	NEC: CMP CEC: CMP FT6	3	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	21.5 40.0	9.8 18.2	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.278 7.06	100	76%	13.5	44	22.5	73.8
		89728	NEC: CMP CEC: CMP FT6	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	26.5 50.0	12.0 22.7	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.307 7.80	100	76%	13.5	44	22.5	73.8
		89731	NEC: CMP CEC: CMP FT6	6	See Chart 5 (Tech Info Section)	500 1000†	152.4 304.8	35.0 71.0	15.9 32.3	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.361 9.17	100	76%	13.5	44	22.5	73.8
		89732	NEC: CMP CEC: CMP FT6	9	See Chart 5 (Tech Info Section)	1000	304.8	108.0	49.0	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.429 10.90	100	76%	13.5	44	22.5	73.8

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

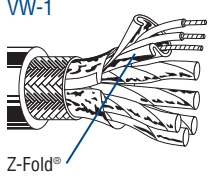
	300V RMS	82729	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	U-1000 1000	U-304.8 304.8	26.0 28.0	11.8 12.7	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.255 6.48	100	76%	13.5	44	22.5	73.8
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DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools are one piece, but length may vary ±10% from length shown.

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 Conductors • Twisted Pairs Individually Beldfoil® Shielded + Overall Beldfoil (100% Coverage) + TC Braid Shield (65%) • Drain Wire[▲]																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2493 (60°C) VW-1 	8162	NEC: CM CEC: CM	2	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.2 30.0 57.0	2.8 13.6 25.9	24.0Ω/M' 78.7Ω/km	Individual: 18.0Ω/M' 59.1Ω/km Overall: 4.3Ω/M' 14.1Ω/km	.343 8.71	100	78%	12.5	41	22	72.2	
	8163	NEC: CM CEC: CM	3	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.0 34.0 66.0	3.2 15.5 30.0	24.0Ω/M' 78.7Ω/km	Individual: 18.0Ω/M' 59.1Ω/km Overall: 4.4Ω/M' 14.4Ω/km	.359 9.12	100	78%	12.5	41	22	72.2	
	8164	NEC: CM CEC: CM	4	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.2 39.5 79.0	3.7 18.0 35.9	24.0Ω/M' 78.7Ω/km	Individual: 18.0Ω/M' 59.1Ω/km Overall: 3.2Ω/M' 10.5Ω/km	.388 9.86	100	78%	12.5	41	22	72.2	
	8165	NEC: CM CEC: CM	5	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	9.0 45.0 89.0	4.1 20.5 40.5	24.0Ω/M' 78.7Ω/km	Individual: 18.0Ω/M' 59.1Ω/km Overall: 3.4Ω/M' 11.2Ω/km	.413 10.49	100	78%	12.5	41	22	72.2	
	8166	NEC: CM CEC: CM	6	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	9.0 50.0 99.0	4.1 22.7 45.0	24.0Ω/M' 78.7Ω/km	Individual: 18.0Ω/M' 59.1Ω/km Overall: 2.8Ω/M' 9.2Ω/km	.446 11.33	100	78%	12.5	41	22	72.2	
	8167	NEC: CM CEC: CM	7	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	52.5 103.0	23.9 46.7	24.0Ω/M' 78.7Ω/km	Individual: 18.0Ω/M' 59.1Ω/km Overall: 2.8Ω/M' 9.2Ω/km	.446 11.33	100	78%	12.5	41	22	72.2	

[▲]24 AWG stranded TC drain wire

DCR = DC Resistance • TC = Tinned Copper

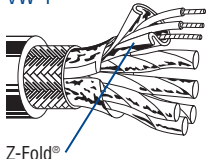
*Capacitance between conductors.

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

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

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 Conductors • Twisted Pairs Individually Beldfoil® Shielded + Overall Beldfoil (100% Coverage) + TC Braid Shield (65%) • Drain Wire [▲]																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2493 (60°C) VW-1  Z-Fold®	8168	NEC:	8	See	100	30.5	10.8	4.9	24.0Ω/M'	Individual:	.479	12.17	100	78%	12.5	41	22	72.2
		CM		Chart 3	500	152.4	61.5	28.0	78.7Ω/km	18.0Ω/M'								
		CEC:		(Tech Info	1000	304.8	115.0	52.3	59.1Ω/km	Overall:								
		CM		Section)					3.0Ω/M'	9.8Ω/km								
	8170	NEC:	10	See	100	30.5	18.0	8.2	24.0Ω/M'	Individual:	.584	14.83	100	78%	12.5	41	22	72.2
CM		Chart 3		500	152.4	83.0	37.7	78.7Ω/km	18.0Ω/M'									
CEC:		(Tech Info		1000	304.8	164.0	74.5	59.1Ω/km	Overall:									
CM		Section)						2.7Ω/M'	8.9Ω/km									
	8175	NEC:	15	See	100	30.5	22.6	10.3	24.0Ω/M'	Individual:	.665	16.89	100	78%	12.5	41	22	72.2
CM		Chart 3		500	152.4	107.5	48.9	78.7Ω/km	18.0Ω/M'									
CEC:		(Tech Info		1000	304.8	210.0	95.5	59.1Ω/km	Overall:									
CM		Section)						2.5Ω/M'	8.2Ω/km									
	8178	NEC:	18	See	100	30.5	24.6	11.2	24.0Ω/M'	Individual:	.686	17.42	100	78%	12.5	41	22	72.2
CM		Chart 3		500	152.4	117.0	53.2	78.7Ω/km	18.0Ω/M'									
CEC:		(Tech Info		1000	304.8	238.0	108.2	59.1Ω/km	Overall:									
CM		Section)						2.6Ω/M'	8.5Ω/km									
	8185	NEC:	25	See	100	30.5	32.3	14.7	24.0Ω/M'	Individual:	.822	20.88	100	78%	12.5	41	22	72.2
CM		Chart 3		500	152.4	160.5	73.0	78.7Ω/km	18.0Ω/M'									
CEC:		(Tech Info		1000	304.8	356.0	161.8	59.1Ω/km	Overall:									
CM		Section)						2.4Ω/M'	7.9Ω/km									

[▲]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.

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

Plenum • FEP Insulation • Red FEP Jacket

	300V RMS	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	9.0	4.1													
			CMP FT6																			
		89503	NEC:	3	Black & White, Black & Red,	100	30.5	4.0	1.8	.006	.15	.014	.36	.175	4.45	21	69	40	131			
			CMP:			500†	152.4	10.5	4.8													
			CEC:			1000†	304.8	21.0	9.5													
			CMP FT6																			
		89504	NEC:	4	Black & White, Black & Red, Black & Green,	500†	152.4	13.0	5.9	.006	.15	.014	.36	.192	4.88	21	69	40	131			
			CMP:			1000†	304.8	29.0	13.2													
			CEC:																			
			CMP FT6																			
		89505	NEC:	5	Black & White, Black & Red, Black & Green, Black & Blue,	100	30.5	4.9	2.2	.006	.15	.014	.36	.197	5.00	21	69	40	131			
			CMP:			1000†	304.8	33.0	15.0													
			CEC:																			
			CMP FT6																			

Plenum • FEP Insulation • Natural Flamarrest® Jacket

	300V RMS	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	8.0	3.6													
			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	16.0	7.3													
			CEC:			1000	304.8	14.0	6.4													
			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	18.0	8.2													
			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	26.0	11.8													
			CEC:																			
			CMP FT6																			
		82505	NEC:	5	See	U-1000	U-304.8	29.0	13.2	.006	.15	.015	.38	.196	4.98	25	82	45	148			
			CMP:		Chart 3	1000	304.8	31.0	14.0													
			CEC:		(Tech Info Section)																	
			CMP FT6																			
		82506	NEC:	6	See	U-500	U-152.4	17.5	8.0	.006	.15	.015	.38	.209	5.31	25	82	45	148			
			CMP:		Chart 3	U-1000	U-304.8	34.0	15.5													
			CEC:		(Tech Info Section)	1000	304.8	35.0	15.9													
			CMP FT6																			
		82509	NEC:	9	See	1000	304.8	49.0	22.3	.006	.15	.015	.38	.246	6.25	23	75	42	138			
			CMP:		Chart 3																	
			CEC:		(Tech Info Section)																	
			CMP FT6																			
		82512	NEC:	12.5	See	1000	304.8	60.0	27.3	.006	.15	.015	.38	.278	7.06	23	75	42	138			
			CMP:		(12 pairs + 1 single)	Chart 3																
			CEC:		(Tech Info Section)																	
			CMP FT6																			

TC = Tinned Copper

*Capacitance between conductors.

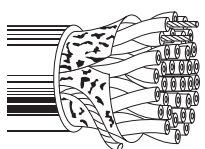
**Capacitance between one conductor and other conductors connected to shield.

† 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 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 Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket																		
	300V RMS	88102	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	10.0 20.0	4.5 9.1	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	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	13.5 31.0	6.1 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	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	17.0 38.0	7.7 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	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	23.5 44.0	10.7 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	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	26.5 50.0	12.0 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)	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	31.0 59.0	14.1 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	See Chart 5 (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)	See Chart 5 (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)	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	71.0 148.0	32.2 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	See Chart 5 (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.



For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

Plenum-Rated

Individually Shielded Pairs

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

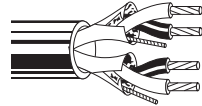
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

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

Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket

	300V RMS	89729	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	17.0 31.0	7.7 14.1	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.261 6.63	100	76%	13.5	44	22.5	73.8
		89730	NEC: CMP CEC: CMP FT6	3	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	21.5 40.0	9.8 18.2	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.278 7.06	100	76%	13.5	44	22.5	73.8
		89728	NEC: CMP CEC: CMP FT6	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	26.5 50.0	12.0 22.7	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.307 7.80	100	76%	13.5	44	22.5	73.8
		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	.333 8.50	100	76%	13.5	44	22.5	73.8
		89731	NEC: CMP CEC: CMP FT6	6	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	35.0 71.0	15.9 32.3	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.361 9.17	100	76%	13.5	44	22.5	73.8
		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	76%	13.5	44	22.5	73.8
		89732	NEC: CMP CEC: CMP FT6	9	See Chart 5 (Tech Info Section)	1000	304.8	108.0	49.2	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.433 10.90	100	76%	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	76%	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	76%	13.5	44	22.5	73.8

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

	300V RMS	82729	NEC: CMP CEC: CMP FT6	2	See Chart 5 (Tech Info Section)	U-1000 1000	U-304.8 304.8	26.0 28.0	11.8 12.7	23.3Ω/M' 76.4Ω/km	14.4Ω/M' 47.2Ω/km	.255 6.48	100	76%	13.5	44	22.5	73.8
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DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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