






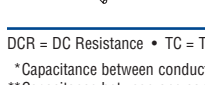



Overall Foil/Braid Shield

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) TC Conductors • Overall Beldfoil® (100% Coverage) + TC Braid Shield (90% Coverage) • 24 AWG Stranded TC Drain Wire																				
Polyethylene Insulation • Chrome PVC Jacket																				
UL AWM Style 2919 (30V 80°C) DMX 512 	9841	NEC:	1	See	100	30.5	4.3	2.0	24.0Ω/M'	3.4Ω/M'	.232	5.89	120	66%	12.8	42.0	23.0	75.5		
		CM		Chart 5	500	152.4	20.0	9.1	78.7Ω/km	11.0Ω/km	For Plenum versions of 9841, see 82841 or 89841.									
		CEC:		(Tech Info Section)	1000	304.8	40.0	18.2												
		CM																		
	9842	NEC:	2	See	100	30.5	5.8	2.6	24.0Ω/M'	2.2Ω/M'	.340	8.64	120	66%	12.8	42.0	23.0	75.5		
		CM		Chart 5	500	152.4	29.5	13.4	78.7Ω/km	7.2Ω/km	For Plenum versions of 9842, see 82842.									
		CEC:		(Tech Info Section)	1000	304.8	57.0	25.9												
		CM																		
	9843	NEC:	3	See	100	30.5	7.1	3.2	24.0Ω/M'	2.3Ω/M'	.360	9.14	120	66%	12.8	42.0	23.0	75.5		
		CM		Chart 5	500	152.4	34.5	15.7	78.7Ω/km	7.7Ω/km										
		CEC:		(Tech Info Section)	1000	304.8	67.0	30.5												
		CM																		
	9844	NEC:	4	See	500	152.4	43.0	19.5	24.0Ω/M'	2.1Ω/M'	.390	9.91	120	66%	12.8	42.0	23.0	75.5		
		CM		Chart 5	1000	304.8	83.0	37.7	78.7Ω/km	6.9Ω/km										
		CEC:		(Tech Info Section)																
		CM																		
Plenum • Foam FEP Insulation • Natural Flamarrrest® Jacket																				
300V RMS 	82841	NEC:	1	See	500	152.4	13.0	6.0	24.0Ω/M'	3.1Ω/M'	.204	5.18	120	76%	12	39.4	22	72.2		
		CMP		Chart 5	1000	304.8	26.0	11.8	78.7Ω/km	10.2Ω/km										
		CEC:		(Tech Info Section)																
300V RMS 	82842	NEC:	2	See	500	152.4	19.0	8.6	24.0Ω/M'	2.4Ω/M'	.273	6.93	120	76%	12	39.4	22	72.2		
		CMP		Chart 5	1000	304.8	42.0	19.1	78.7Ω/km	7.9Ω/km										
		CEC:		(Tech Info Section)																
300V RMS 	82842	NEC:	2	See	500	152.4	25.5	11.6	24.0Ω/M'	3.1Ω/M'	.305	7.75	120	76%	12	39.4	22	72.2		
		CMP		Chart 5	1000	304.8	49.0	22.2	78.7Ω/km	10.2Ω/km										
		CEC:		(Tech Info Section)																
300V RMS 	89841	NEC:	1	See	500	152.4	13.5	6.1	24.0Ω/M'	3.1Ω/M'	.202	5.13	120	76%	12	39.4	22	72.2		
		CMP		Chart 5	1000	304.8	27.0	12.3	78.7Ω/km	10.2Ω/km										
		CEC:		(Tech Info Section)																
300V RMS 	89842 <small>new</small>	NEC:	2	See	500	152.4	25.5	11.6	24.0Ω/M'	3.1Ω/M'	.305	7.75	120	76%	12	39.4	22	72.2		
		CMP		Chart 5	1000	304.8	49.0	22.2	78.7Ω/km	10.2Ω/km										
		CEC:		(Tech Info Section)																


DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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

Industrial Data Solutions® — Industrial Data

EIA Industrial RS-485 PLTC/CM

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) TC Conductors • Twisted Pairs • Overall Beldfoil® Shield (100% Coverage) + TC Braid (90% Coverage) • Drain Wire[▲]																				
Datalene® Insulation • Black UV Resistant PVC Jacket (CPE jacket optional)																				
	Oil Res II 300V	3105A[▼]	NEC: CM PLTC CEC: CM FT1	1	See Chart (below)	500 1000 5000 †	152.4 304.8 1523.9	23.0 50.0 255.0	10.4 22.7 115.8	14.7Ω/M' 48.2Ω/km	2.8Ω/M' 9.2Ω/km	.284 7.21	120	78%	11.0	36.1	20.9	68.6		
																			For CPE jacketed version order Part No. YR44345	
			3106A	NEC: CM PLTC CEC: CM FT1	1.5 [◆]	White/Orange, Orange/White, Blue/White	500 1000 5000 †	152.4 304.8 1523.9	27.0 51.0 260.0	12.3 23.2 118.1	14.7Ω/M' 48.2Ω/km	2.8Ω/M' 9.2Ω/km	.300 7.62	120	78%	11.0	36.1	20.9	68.6	For CPE jacketed version order Part No. YR46721
																				For CPE jacketed version order Part No. YR46792
			3107A[▼]	NEC: CM PLTC CEC: CM FT1	2	See Chart (below)	1000 4000 5000 †	304.8 1219.2 1523.9	69.0 300.0 385.0	31.3 136.2 174.8	14.7Ω/M' 48.2Ω/km	1.8Ω/M' 5.9Ω/km	.356 9.04	120	78%	11.0	36.1	20.9	68.6	For CPE jacketed version order Part No. YR46792
																			For CPE jacketed version order Part No. YR45287	
		3108A	NEC: CM PLTC CEC: CM FT1	3	See Chart (below)	1000 2000	304.8 609.6	93.0 184.0	42.2 83.5	14.7Ω/M' 48.2Ω/km	1.5Ω/M' 4.9Ω/km	.420 10.67	120	78%	11.0	36.1	20.9	68.6	For CPE jacketed version order Part No. YR45287	
																			For CPE jacketed version order Part No. YR44768	
		3109A	NEC: CM PLTC CEC: CM FT1	4	See Chart (below)	1000 2000	304.8 609.6	107.0 218.0	48.6 99.0	14.7Ω/M' 48.2Ω/km	1.4Ω/M' 4.6Ω/km	.420 10.67	120	78%	11.0	36.1	20.9	68.6	For CPE jacketed version order Part No. YR44768	

*3015A and 3107A are DMX512 Type.

*22 AWG stranded tinned copper drain wire.

AL Interlocked Armor • Datalene® Insulation • PVC Inner Jacket • Black UV Resistant PVC Outer Jacket

300V	123107A <small>(NEW)</small>	NEC: CM PLTC CEC: CMG FT4	2	See Chart (below)	5000 ††	1523.9	1140.0	514.1		14.7Ω/M' 48.2Ω/km	1.8Ω/M' 5.9Ω/km	.650 16.51	120	78%	11.0	36.1	20.9	68.6
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*22 AWG stranded tinned copper drain wire.

DCR = DC Resistance • TC = Tinned Copper

* Capacitance between conductors.

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

† Final put-up length may vary -0 to +10% from length shown.

†† Final put-up length may vary ±10% for spools or reels and ±5% for UnReel® cartons from length shown.

*All conductors are under the braid shield; one pair is under the Beldfoil shield.

Color Code Chart

Pair No.	Color Combination
1	White/Blue Stripe Blue/White Stripe
2	White/Orange Stripe Orange/White Stripe
3	White/Green Stripe Green/White Stripe
4	White/Brown Stripe Brown/White Stripe

AES/EBU Digital Audio Cable

Single- and Double-Pair 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

110 Ohm • 26 AWG Stranded (7x34) .018" TC Conductors • Twisted Pair • Beldfoil® Shield (100% Coverage) • 26 AWG Stranded TC Drain Wire**Datalene® Insulation • Chrome or Purple PVC Jacket**

2-Conductor Digital Video Time Code Cable 75°C	9180	NEC: CMR CEC: CMG FT4	1	Black, White	1000	304.8	10.0	4.5	37.3Ω/M' 122.3Ω/km	23.1Ω/M' 75.8Ω/km	.144	3.66	110	76%	13	43	26	85
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Shorting Fold

For cross-connect use with 7891A (et al.)
Digital Audio Snake Cables, see page 19.28.**24 AWG** Stranded (7x32) Tinned Copper Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Drain Wire**Datalene Insulation • Gray or Purple PVC Jacket**

60°C	1800B	NEC: CMG CEC: CMG FT4	1	Black, Red	500* U-1000	152.4 U-304.8	8.0 17.0	3.6 7.7	23.7Ω/M' 77.7Ω/km	18.9Ω/M' 62.0Ω/km	.177	4.57	110	76%	12	39	26	85
					1000	304.8	16.0	7.3										
					5000*	1524.0	90.0	40.8										

For cross-connect use with 1803F (et al.)
Digital Audio Snake Cables, see page 19.28.
For Plenum version of 1800B, see 1801B.*500 ft. put-up available in Gray only. 5000 ft. put-up available in Purple only.
The jacket and shield are bonded so both can be removed with automatic stripping equipment.**24 AWG** Stranded (42x40) HC BC Conductors • Conductors Cabled with Fillers • TC "French Braid" Shield (95% Coverage) • BC Drain Wire**Datalene Insulation • Matte PVC Jacket** (Available in Red, Yellow, Green, Blue, Gray or Black)

Digital Mic Cable High-Flex 60°C	1800F	NEC: CL2R	1	Black, Red	500▲ U-1000	152.4 U-304.8	12.0 26.0	5.5 11.8	23.7Ω/M' 77.7Ω/km	5.0Ω/M' 16.4Ω/km	.211	5.36	110	76%	12	39	26	85
					1000▲	304.8	24.0	10.9										



French Braid

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

24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG TC Drain Wire**Plenum • Foam FEP Teflon® Insulation • Flam arrest® Jacket** (Available in Natural White or Purple)

75°C, Non-conduit	1801B	NEC: CMP CEC: CMP FT6	1	Black, Red	500 U-1000	152.4 U-304.8	6.0 14.0	2.7 6.4	23.7Ω/M' 77.7Ω/km	18.9Ω/M' 62.0Ω/km	.165	4.19	110	78%	12	39	26	85
					1000	304.8	12.0	5.5										

**24 AWG** Stranded (7x32) TC Conductors • Dual Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG TC Drain Wire**Datalene Insulation • Purple PVC Jacket in Zip-Cord Construction**

60°C	1802B	NEC: CMG CEC: CMG FT4	2	Black, Red	500 U-1000	152.4 U-304.8	16.5 35.0	7.5 15.9	23.7Ω/M' 77.7Ω/km	18.9Ω/M' 62.0Ω/km	.180	4.57	110	76%	12	39	26	85
					1000	304.8	37.0	16.8										



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

22 AWG Stranded (7x30) TC Conductors • Twisted Pair with Fillers • Overall Beldfoil + TC Braid Shield (90% Coverage) • 24 AWG Drain Wire**Datalene Insulation • Black High-Flex Matte PVC Jacket**

DMX512 Type High-Flex 60°C	1696A	—	1	Blue, White	250 500 U-1000	76.2 152.4 U-304.8	8.0 14.5 30.0	3.6 6.6 13.6	17.8Ω/M' 48.5Ω/km	4.6Ω/M' 15.2Ω/km	.234	5.94	110	76%	13	43	26	85
					1000	304.8	32.0	14.5										



Z-Fold®

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HC = High-conductivity • TC = Tinned Copper

*Capacitance between conductors.

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

Teflon is a DuPont trademark.

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

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