

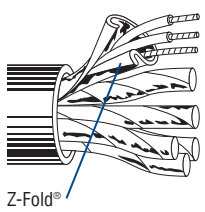
Individually Shielded

Audio, Control and Instrumentation Cables

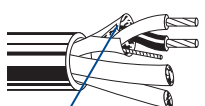
Description	Part No.	UL NEC/C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/Ft.	* pF/m	** pF/Ft.	** pF/m

22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire

Polypropylene Insulation • Chrome PVC Jacket

 <p>Z-Fold®</p>	UL AWM Style 2919 (30V 80°C)	8777	NEC: 3 CM CEC: CM	See Chart 3 (Tech Info Section)	100 250 500 U-1000 1000 1640 3280 5000 10000††	30.5 76.2 152.4 U-304.8 304.8 499.9 999.7 1524.0 3048.0	4.7 10.0 21.0 20.0 41.0 44.0 70.5 141.0 215.0 460.0	2.1 4.5 9.5 9.1 18.6 20.0 32.0 64.0 97.6 208.8	15.0Ω/M' 49.2Ω/km	10.6Ω/M' 34.8Ω/km	.273 6.93	50	66%	30	98	55	180	
	For Plenum versions of 8777, see 88777, 87777 or 82777.																	
			8778	NEC: 6 CM CEC: CM	See Chart 3 (Tech Info Section)	100 250 500 1000	30.5 76.2 152.4 304.8	8.4 19.0 43.0 83.0	3.8 8.6 19.5 37.7	15.0Ω/M' 49.2Ω/km	10.6Ω/M' 34.8Ω/km	.362 9.19	50	66%	30	98	55	180
	For Plenum versions of 8778, see 88778, 87778 or 82778.																	
			8774	NEC: 9 CM CEC: CM	See Chart 3 (Tech Info Section)	100 250 500 1000	30.5 76.2 152.4 304.8	11.5 29.5 57.5 113.0	5.2 13.4 26.1 51.3	15.0Ω/M' 49.2Ω/km	10.6Ω/M' 34.8Ω/km	.417 10.59	50	66%	30	98	55	180
			8775	NEC: 11 CM CEC: CM	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	12.1 65.5 130.0	5.5 29.7 59.0	15.0Ω/M' 49.2Ω/km	10.6Ω/M' 34.8Ω/km	.464 11.79	50	66%	30	98	55	180
			9768	NEC: 12 CM CEC: CM	See Chart 3 (Tech Info Section)	100 250 500 1000	30.5 76.2 152.4 304.8	13.2 36.5 73.5 143.0	6.0 16.5 33.4 65.0	15.0Ω/M' 49.2Ω/km	10.6Ω/M' 34.8Ω/km	.464 11.79	50	66%	30	98	55	180
			8776	NEC: 15 CM CEC: CM	See Chart 3 (Tech Info Section)	100 250 500 1000	30.5 76.2 152.4 304.8	17.8 49.5 98.0 197.0	8.1 22.5 44.5 89.5	15.0Ω/M' 49.2Ω/km	10.6Ω/M' 34.8Ω/km	.548 13.92	50	66%	30	98	55	180
			9769	NEC: 17 CM CEC: CM	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	20.0 109.0 215.0	9.1 49.5 97.7	15.0Ω/M' 49.2Ω/km	10.6Ω/M' 34.8Ω/km	.577 14.66	50	66%	30	98	55	180
			8769	NEC: 19 CM CEC: CM	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	22.9 123.0 244.0	10.4 55.8 110.8	15.0Ω/M' 49.2Ω/km	10.6Ω/M' 34.8Ω/km	.603 15.32	50	66%	30	98	55	180
		8773	NEC: 27 CM CEC: CM	See Chart 3 (Tech Info Section)	100 250† 500 1000	30.5 76.2 152.4 304.8	33.9 83.8 163.0 341.0	15.4 38.0 74.0 154.8	15.0Ω/M' 49.2Ω/km	10.6Ω/M' 34.8Ω/km	.709 18.00	50	66%	30	98	55	180	
		9767	NEC: 37 CM CEC: CM	See Chart 3 (Tech Info Section)	500† 1000†	152.4 304.8	224.0 481.0	101.8 218.6	15.0Ω/M' 49.2Ω/km	10.6Ω/M' 34.8Ω/km	.800 20.32	50	66%	30	98	55	180	

Polypropylene Insulation • Black Low-Smoke, Zero-Halogen Jacket

 <p>Z-Fold®</p>	U300V RMS, Non-conduit	8777SB	NEC: 3 CMG-LS CEC: CMG-LS FT4 Limited Smoke	See Chart 3 (Tech Info Section)	U-500† U-1000 1000†	U-152.4 U-304.8 304.8	19.5 38.0 39.0	8.9 17.3 17.7	15.0Ω/M' 49.2Ω/km	10.6Ω/M' 34.8Ω/km	.273 6.93	50	66%	30	98	55	180
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DCR = DC Resistance • TC = Tinned Copper

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

*Capacitance between conductors.

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

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

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



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

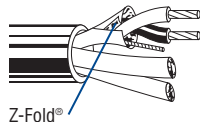
Individually Shielded

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

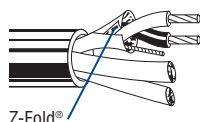
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire

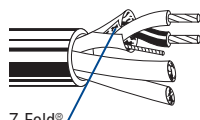
Plenum • FEP Insulation • Natural Flamarrest® Jacket

 300V RMS Z-Fold®	82777	NEC:	3	See	U-500†	U-152.4	19.5	8.9	14.7Ω/M'	11.3Ω/M'	.237	6.02	46	62%	35	115	76	249	
		CMP		Chart 3	U-1000	U-304.8	38.0	17.3	48.2Ω/km	37.1Ω/km									
		CEC:		(Tech Info	1000†	304.8	39.0	17.7											
		CMP FT6		Section)															
	82778	NEC:	6	See	1000†	304.8	71.0	32.2	14.7Ω/M'	11.3Ω/M'	.314	7.98	46	62%	35	115	76	249	
CMP			Chart 3					48.2Ω/km	37.1Ω/km										
CEC:			(Tech Info																
CMP FT6			Section)																

Plenum • FEP Insulation • Red FEP Jacket

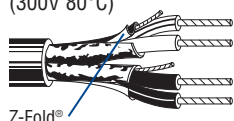
 300V RMS Z-Fold®	88777	NEC:	3	See	100	30.5	6.0	2.7	14.7Ω/M'	11.3Ω/M'	.234	5.94	50	69%	31	102	67	220	
		CMP		Chart 3	500†	152.4	19.0	8.6	48.2Ω/km	37.1Ω/km									
		CEC:		(Tech Info	1000†	304.8	42.0	19.1											
		CMP FT6		Section)															
	88778	NEC:	6	See	100	30.5	7.0	3.2	14.7Ω/M'	11.3Ω/M'	.309	7.85	50	69%	31	102	67	220	
CMP			Chart 3	500†	152.4	38.5	17.4	48.2Ω/km	37.1Ω/km										
CEC:			(Tech Info	1000†	304.8	75.0	34.1												
CMP FT6			Section)																

Plenum • FEP Insulation • Red Fluorocopolymer Jacket

 300V RMS Z-Fold®	87777	NEC:	3	See	500†	152.4	18.0	8.2	14.7Ω/M'	11.3Ω/M'	.234	5.94	50	69%	31	102	67	220	
		CMP		Chart 3	1000†	304.8	40.0	18.2	48.2Ω/km	37.1Ω/km									
		CEC:		(Tech Info															
		CMP FT6		Section)															
	87778	NEC:	6	See	500†	152.4	37.5	17.0	14.7Ω/M'	11.3Ω/M'	.309	7.85	50	69%	31	102	67	220	
CMP			Chart 3	1000†	304.8	73.0	33.2	48.2Ω/km	37.1Ω/km										
CEC:			(Tech Info																
CMP FT6			Section)																

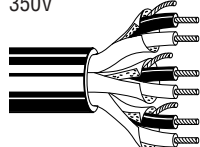
20 AWG Stranded (7x28) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil (100% Coverage) • 22 AWG Stranded TC Drain Wire

Semi-rigid PVC Insulation • Overall Chrome PVC Jacket

 UL AWM Style 2464 (300V 80°C) Z-Fold®	9402	NEC:	2	Red &	U-500	U-152.4	26.0	11.8	—	—	.300	7.62	—	—	55	180	95	312	
		CMG		Black,	1000	304.8	52.0	23.7											
		CEC:		Green &															
		CMG FT4		White															

20 AWG Stranded (10x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil (100% Coverage) • 22 AWG Stranded TC Drain Wire

Polypropylene Insulation • Black High-density Polyethylene Jacket

 350V	9883		3	See	500	152.4	28.5	12.9	6.4Ω/M'	11.2Ω/M'	.340	8.64	50	66%	30	98	55	180	
				Chart 3	1000	304.8	57.0	25.9	21.0Ω/km	36.8Ω/km									
				(Tech Info															
				Section)															
	9886		6	See	500	152.4	56.0	25.4	6.4Ω/M'	11.2Ω/M'	.455	11.56	50	66%	30	98	55	180	
			Chart 3	1000	304.8	108.0	49.0	21.0Ω/km	36.8Ω/km										
			(Tech Info																
			Section)																

DCR = DC Resistance • TC = Tinned Copper

* Capacitance between conductors.

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

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

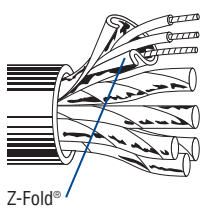
Individually Shielded

Audio, Control and Instrumentation Cables

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

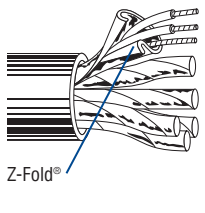
20 AWG Stranded (7x28) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire

Polypropylene Insulation • Overall Chrome PVC Jacket

 <p>Z-Fold®</p>	UL AWM Style 2919 (30V 80°C)	9873	NEC: CM CEC: CM	3 See (Tech Info Section)	See Chart 3	100 250 500 1000	30.5 76.2 152.4 304.8	6.6 14.5 32.5 58.0	3.0 6.6 14.8 26.3	10.5Ω/M' 14.0Ω/M' 34.4Ω/km 45.9Ω/km	14.0Ω/M' 34.4Ω/km 45.9Ω/km	.341 8.66	50	66%	30	98	55	180
	9874	NEC: CM CEC: CM	6 See (Tech Info Section)	See Chart 3	100 500 1000	30.5 76.2 152.4 304.8	10.3 29.0 56.5 113.0	4.7 13.2 25.7 51.3	10.5Ω/M' 34.4Ω/km 37.1Ω/km	11.3Ω/M' 37.1Ω/km	.445 11.30	50	66%	30	98	55	180	
	9875	NEC: CM CEC: CM	9 See (Tech Info Section)	See Chart 3	100 500 1000	30.5 76.2 152.4 304.8	17.7 44.0 97.0 187.0	8.1 22.1 44.0 88.4	10.5Ω/M' 34.4Ω/km 37.1Ω/km	11.3Ω/M' 37.1Ω/km	.555 14.10	50	66%	30	98	55	180	
	9876	NEC: CM CEC: CM	11 See (Tech Info Section)	See Chart 3	1000	304.8	220.0 100.0	10.5Ω/M' 34.4Ω/km	11.3Ω/M' 37.1Ω/km	.600 15.24	50	66%	30	98	55	180		
	9877	NEC: CM CEC: CM	12 See (Tech Info Section)	See Chart 3	100 500 1000	30.5 76.2 152.4 304.8	22.1 54.1 119.0 237.0	10.1 27.0 54.1 107.7	10.5Ω/M' 34.4Ω/km 37.1Ω/km	11.3Ω/M' 37.1Ω/km	.617 15.67	50	66%	30	98	55	180	
	9879	NEC: CM CEC: CM	15 See (Tech Info Section)	See Chart 3	500 1000	152.4 304.8	146.0 296.0	66.4 134.5	10.5Ω/M' 34.4Ω/km	11.3Ω/M' 37.1Ω/km	.689 17.50	50	66%	30	98	55	180	

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

Polypropylene Insulation • Chrome PVC Jacket

 <p>Z-Fold®</p>	UL AWM Style 2919 (30V 80°C)	9773	NEC: CM CEC: CM	3 See (Tech Info Section)	See Chart 3	100 500 1000	30.5 76.2 152.4 304.8	10.8 23.8 48.6	4.9 23.8 48.6	6.4Ω/M' 21.0Ω/km	8.3Ω/M' 27.2Ω/km	.404 10.26	50	66%	30	98	55	180
	9774	NEC: CM CEC: CM	6 See (Tech Info Section)	See Chart 3	100 500 1000	30.5 76.2 152.4 304.8	16.1 40.9 80.8	7.3 21.0 40.9	6.4Ω/M' 21.0Ω/km	8.3Ω/M' 27.2Ω/km	.560 14.22	50	66%	30	98	55	180	
	9775	NEC: CM CEC: CM	9 See (Tech Info Section)	See Chart 3	100 500 1000	30.5 76.2 152.4 304.8	25.8 55.8 109.4	11.7 21.0 40.9	6.4Ω/M' 21.0Ω/km	8.3Ω/M' 27.2Ω/km	.655 16.64	50	66%	30	98	55	180	
	9776	NEC: CM CEC: CM	12 See (Tech Info Section)	See Chart 3	100 500 1000	30.5 76.2 152.4 304.8	31.6 69.0 139.4	14.4 21.0 40.9	6.4Ω/M' 21.0Ω/km	8.3Ω/M' 27.2Ω/km	.735 18.67	50	66%	30	98	55	180	
	9777	NEC: CM CEC: CM	15 See (Tech Info Section)	See Chart 3	100 500 1000	30.5 76.2 152.4 304.8	38.8 88.1 191.1	17.6 21.0 40.9	6.4Ω/M' 21.0Ω/km	8.3Ω/M' 27.2Ω/km	.819 20.80	50	66%	30	98	55	180	

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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

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