

Unshielded

Telephone Cables

Audio, Control and Instrumentation Cables

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

24 AWG Solid Tinned Copper Conductors • Twisted Pairs

PVC Insulation • Chrome PVC Jacket

	UL AWM Style 2576 (150V 80°C)	9562	NEC:	2	See	U-500	U-152.4	10.5	4.8	.010	.25	.032	.81	.199	5.05
			CMG:		Chart 4	500	152.4	9.0	4.1						
			CEC:		(Tech Info	U-1000	U-304.8	20.0	9.1						
			CMG FT4		Section)	1000	304.8	18.0	8.2						
		9566	NEC:	6	See	U-500	U-152.4	21.5	9.8	.010	.25	.032	.81	.289	7.34
			CMG:		Chart 4	500	152.4	23.5	10.7						
			CEC:		(Tech Info	U-1000	U-304.8	42.0	19.1						
			CMG FT4		Section)	1000	304.8	45.0	20.5						
		9570	NEC:	10	See	500	152.4	31.5	14.3	.010	.25	.035	.89	.310	7.87
			CMG:		Chart 4	1000	304.8	63.0	28.6						
			CEC:		(Tech Info										
			CMG FT4		Section)										
		9585	NEC:	25	See	500	152.4	74.0	33.6	.010	.25	.040	1.02	.480	12.19
			CMG:		Chart 4	1000	304.8	144.0	65.5						
			CEC:		(Tech Info										
			CMG FT4		Section)										

22 AWG Solid Tinned Copper Conductors • Twisted Pairs

PVC Insulation • Chrome PVC Jacket

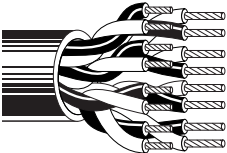
UL AWM Style 2576
(150V 80°C)



8740	NEC: CMG CEC: CMG FT4	1	See Chart 3 (Tech Info Section)	U-500 U-1000	U-152.4 U-304.8	7.5 14.0	3.4 6.4	.010	.25	.032	.81	.156	3.96	
8741	NEC: MPG, CMG CEC: CMG FT4	2	See Chart 3 (Tech Info Section)	U-500 U-1000 1000	U-152.4 U-304.8 304.8	13.5 25.0 27.0	6.1 11.3 12.2	.010	.25	.032	.81	.230	5.84	For stranded conductor Plenum versions of 8741, see 88741 or 82741.
8742	NEC: MPG, CMG CEC: CMG FT4	3	See Chart 3 (Tech Info Section)	500 U-1000 1000	152.4 U-304.8 304.8	17.0 31.0 33.0	7.7 14.1 15.0	.010	.25	.032	.81	.242	6.15	For stranded conductor Plenum version of 8742, see 82742.
8757	NEC: MPG, CMG CEC: CMG FT4	4	See Chart 3 (Tech Info Section)	500 U-1000 1000	152.4 U-304.8 304.8	20.0 38.0 40.0	9.1 17.2 18.2	.010	.25	.032	.81	.264	6.71	For stranded conductor Plenum versions of 8757, see 88757 or 82757.
8743	NEC: MPG, CMG CEC: CMG FT4	6	See Chart 3 (Tech Info Section)	U-500 U-1000 1000	U-152.4 U-304.8 304.8	26.5 51.0 53.0	12.0 23.1 24.1	.010	.25	.032	.81	.293	7.44	For stranded conductor Plenum version of 8743, see 82743.
9160	NEC: MPG, CMG CEC: CMG FT4	8	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	35.5 71.0	16.1 32.3	.010	.25	.035	.89	.323	8.20	
8744	NEC: MPG, CMG CEC: CMG FT4	9	See Chart 3 (Tech Info Section)	1000	304.8	79.0	35.9	.010	.25	.035	.89	.350	8.89	

Unshielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
22 AWG Stranded (7x30) Tinned Copper Conductors • Twisted Pairs														
PVC Insulation • Chrome PVC Jacket														
	9744	NEC:	2	See Chart 3 (Tech Info Section)	U-500	U-152.4	13.5	6.1	.010	.25	.032	.81	.244	6.20
		CMG			500	152.4	14.0	6.4						
		CEC:			U-1000	U-304.8	26.0	11.8						
		CMG FT4			1000	304.8	27.0	12.3						
	9745	NEC:	3	See Chart 3 (Tech Info Section)	U-500	U-152.4	18.0	8.2	.010	.25	.032	.81	.257	6.53
		CMG			500	152.4	18.0	8.2						
		CEC:			U-1000	U-304.8	34.0	15.4						
		CMG FT4			1000	304.8	36.0	16.4						
	9746	NEC:	4	See Chart 3 (Tech Info Section)	500	152.4	22.5	10.2	.010	.25	.032	.81	.281	7.14
		CMG			1000	304.8	42.0	19.1						
CEC:														
CMG FT4														
8747	NEC:	6	See Chart 3 (Tech Info Section)	100	30.5	6.2	2.8	.010	.25	.035	.89	.320	8.13	
	CMG			500	152.4	30.0	13.6							
	CEC:			1000	304.8	59.0	26.8							
	CMG FT4													
8748	NEC:	9	See Chart 3 (Tech Info Section)	100	30.5	8.6	3.9	.010	.25	.037	.94	.389	9.88	
	CMG			500	152.4	43.5	19.8							
	CEC:			1000	304.8	84.0	38.2							
	CMG FT4													
9747	NEC:	12	See Chart 3 (Tech Info Section)	100	30.5	11.5	5.2	.010	.25	.040	1.02	.425	10.80	
	CMG			500	152.4	55.0	25.0							
	CEC:			1000	304.8	109.0	49.5							
	CMG FT4													
8749	NEC:	15	See Chart 3 (Tech Info Section)	500	152.4	64.0	29.1	.010	.25	.040	1.02	.440	11.18	
	CMG			1000	304.8	124.0	56.4							
	CEC:													
	CMG FT4													
9748	NEC:	19	See Chart 3 (Tech Info Section)	500	152.4	81.5	37.0	.010	.25	.040	1.02	.505	12.83	
	CMG			1000	304.8	159.0	72.3							
	CEC:													
	CMG FT4													
8750	NEC:	27	See Chart 3 (Tech Info Section)	1000†	304.8	221.0	100.5	.010	.25	.045	1.14	.575	14.61	
	CMG													
	CEC:													
	CMG FT4													

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

Unshielded

Audio, Control and Instrumentation Cables

Plenum-Rated

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

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

Plenum • FEP Insulation • Red FEP Jacket

	300V RMS	88442	NEC: CMP CEC: CMP FT6	1	Black & Red	100	30.5	2.3	1.0	.006	.15	.012	.30	.102	2.59
						500 [†]	152.4	5.5	2.5						
						1000 [†]	304.8	8.0	3.6						
	300V RMS	88741	NEC: CMP CEC: CMP FT6	2	Black & Red, Black & White	500 [†]	152.4	8.0	3.6	.006	.15	.012	.30	.169	4.29
						1000 [†]	304.8	16.0	7.3						
	300V RMS	88757	NEC: CMP CEC: CMP FT6	4	Black & Red, Black & White, Black & Green, Black & Blue	500 [†]	152.4	14.0	6.4	.006	.15	.019	.23	.200	5.08
						1000 [†]	304.8	28.0	12.7						

Plenum • FEP Insulation • Natural Flamarrest® Jacket

	300V RMS	82442	NEC: CMP CEC: CMP FT6	1	Black & Red	U-1000 [†]	U-304.8	9.0	4.1	.006	.15	.014	.36	.112	2.84
						1000 [†]	304.8	8.0	3.6						
	300V RMS	82741	NEC: CMP CEC: CMP FT6	2	Black & Red, Black & White	U-1000 [†]	U-304.8	18.0	8.2	.006	.15	.014	.36	.179	4.55
						1000 [†]	304.8	20.0	9.1						
	300V RMS	82742	NEC: CMP CEC: CMP FT6	3	Black & Red, Black & White, Black & Green	U-1000 [†]	U-304.8	24.0	10.9	.006	.15	.014	.36	.191	4.85
						1000 [†]	304.8	26.0	11.8						
	300V RMS	82757	NEC: CMP CEC: CMP FT6	4	Black & Red, Black & White, Black & Green, Black & Blue	1000 [†]	304.8	32.0	14.5	.006	.15	.014	.36	.210	5.33
	300V RMS	82743	NEC: CMP CEC: CMP FT6	6	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown	U-1000 [†]	U-304.8	44.0	20.0	.006	.15	.015	.38	.238	6.05
						1000 [†]	304.8	46.0	20.9						

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

Unshielded

Audio, Control and Instrumentation Cables

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

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

PVC Insulation • Chrome PVC Jacket														
	300V RMS	8205	NEC: CMG CEC: CMG FT4	1	See Chart 3 (Tech Info Section)	100	30.5	2.6	1.2	.013	.33	.025	.64	.180 4.57
						U-500	U-152.4	9.0	4.1					
						500	152.4	9.0	4.1					
						U-1000	U-304.8	18.0	8.2					
						1000	304.8	18.0	8.2					
	UL AWM Style 2464 (300V 80°C)	9750	NEC: CMG CEC: CMG FT4	3	See Chart 3 (Tech Info Section)	500	152.4	26.5	12.0	.013	.33	.035	.89	.299 7.59
						1000	304.8	50.0	22.7					
		9751	NEC: CMG CEC: CMG FT4	6	See Chart 3 (Tech Info Section)	100	30.5	9.1	4.1	.013	.33	.035	.89	.366 9.30
						500	152.4	45.0	20.5					
						1000	304.8	89.0	40.5					
		9752	NEC: CMG CEC: CMG FT4	9	See Chart 3 (Tech Info Section)	100	30.5	13.1	5.9	.013	.33	.035	.89	.429 10.90
						500	152.4	65.5	29.8					
						1000	304.8	125.0	56.8					
		9755	NEC: CMG CEC: CMG FT4	15	See Chart 3 (Tech Info Section)	100	30.5	17.9	8.1	.013	.33	.040	1.02	.545 13.84
						1000	304.8	194.0	88.2					

19 AWG Solid Bare Copper Conductors • Twisted Pair

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

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

PVC Insulation • Chrome PVC Jacket														
	300V RMS	8461	NEC: CMG CEC: CMG FT4	1	Black, White	100	30.5	3.2	1.4	.022	.56	.028	.71	.234 5.94
						U-500	U-152.4	14.0	6.4					
						500	152.4	13.5	6.1					
						U-1000	U-304.8	26.0	11.8					
						1000	304.8	27.0	12.2					

Unshielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
18 AWG Stranded (16x30) Tinned Copper Conductors • Twisted Pairs														
PVC Insulation • Chrome PVC Jacket														
	9740	NEC:	1	See Chart 3 (Tech Info Section)	U-500	U-152.4	12.5	5.7	.014	.36	.032	.81	.210	5.33
		CMG			500	152.4	12.5	5.7						
		CEC:			U-1000	U-304.8	24.0	10.9						
		CMG FT4			1000	304.8	24.0	10.9						
	9156	NEC:	2	See Chart 3 (Tech Info Section)	U-500	U-152.4	25.0	11.3	.014	.36	.035	.89	.333	8.46
		CMG			500	152.4	27.0	12.2						
		CEC:			U-1000	U-304.8	49.0	22.2						
		CMG FT4			1000	304.8	51.0	23.2						
	8690	NEC:	3	See Chart 3 (Tech Info Section)	100	30.5	7.0	3.2	.014	.36	.032	.81	.347	8.81
		CMG			U-500	U-152.4	32.5	14.8						
		CEC:			500	152.4	34.0	15.4						
		CMG FT4			1000	304.8	65.0	29.5						
9157	NEC:	4	See Chart 3 (Tech Info Section)	100	30.5	8.4	3.8	.014	.36	.032	.81	.381	9.68	
	CMG			500	152.4	41.0	18.6							
	CEC:			1000	304.8	83.0	37.7							
	CMG FT4													
9159	NEC:	5	See Chart 3 (Tech Info Section)	500	152.4	50.0	22.7	.014	.36	.032	.81	.391	9.93	
	CMG			1000	304.8	99.0	45.0							
	CEC:													
	CMG FT4													
8691	NEC:	6	See Chart 3 (Tech Info Section)	500	152.4	58.0	26.4	.014	.36	.032	.81	.433	11.00	
	CMG			1000	304.8	115.0	52.3							
	CEC:													
	CMG FT4													
9161	NEC:	8	See Chart 3 (Tech Info Section)	100	30.5	14.2	6.4	.014	.36	.037	.94	.485	12.32	
	CMG			500	152.4	78.0	35.6							
	CEC:			1000	304.8	152.0	69.3							
	CMG FT4													
8692	NEC:	9	See Chart 3 (Tech Info Section)	500	152.4	87.0	39.5	.014	.36	.040	1.02	.524	13.31	
	CMG			1000	304.8	170.0	77.3							
	CEC:													
	CMG FT4													
9741	NEC:	12	See Chart 3 (Tech Info Section)	100	30.5	25.4	11.5	.014	.36	.046	1.17	.600	15.24	
	CMG			1000	304.8	220.0	99.8							
	CEC:													
	CMG FT4													
9742	NEC:	15	See Chart 3 (Tech Info Section)	100	30.5	30.9	14.0	.014	.36	.051	1.30	.677	17.20	
	CMG			500	152.4	146.5	66.5							
	CEC:			1000	304.8	291.0	132.0							
	CMG FT4													
9743	NEC:	19	See Chart 3 (Tech Info Section)	100	30.5	37.0	16.8	.014	.36	.055	1.40	.721	18.31	
	CMG			500	152.4	179.0	81.4							
	CEC:			1000	304.8	355.0	161.4							
	CMG FT4													

Unshielded

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

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

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

Plenum • FEP Insulation • Red FEP Jacket

300V RMS	89740	NEC: CMP CEC: CMP FT6	1	Black, Red	100 500 [†] 1000 [†]	30.5 152.4 304.8	3.0 9.0 15.0	1.4 4.1 6.8	.006	.17	.009	.23	.136	3.45
----------	-------	--------------------------------	---	---------------	--	------------------------	--------------------	-------------------	------	-----	------	-----	------	------



Plenum • FEP Insulation • Red Fluorocopolymer Jacket

300V RMS	87740	NEC: CMP CEC: CMP FT6	1	Black, Red	500 [†] 1000 [†]	152.4 304.8	9.0 15.0	4.1 6.8	.006	.17	.011	.28	.140	3.56
----------	-------	--------------------------------	---	---------------	---------------------------------------	----------------	-------------	------------	------	-----	------	-----	------	------



Plenum • FEP Insulation • Natural Flamarrest® Jacket

300V RMS	82740	NEC: CMP CEC: CMP FT6	1	Black, Red	U-1000 1000 [†]	U-304.8 304.8	17.0 16.0	7.7 7.3	.006	.17	.015	.38	.147	3.73
----------	-------	--------------------------------	---	---------------	-----------------------------	------------------	--------------	------------	------	-----	------	-----	------	------



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

PVC Insulation • Chrome PVC Jacket

UL AWM Style 2598 (300V 60°C)	8471	NEC: CMG CEC: CMG FT4	1	Black, White	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	21.0 20.0 41.0 43.0	9.5 9.1 18.6 19.5	.023	.58	.032	.81	.274	6.96
----------------------------------	------	--------------------------------	---	-----------------	--------------------------------	--------------------------------------	------------------------------	----------------------------	------	-----	------	-----	------	------



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

PVC Insulation • Chrome PVC Jacket

UL AWM Style 2587 (600V 90°C)	8473	NEC: CL3 CEC: FAS 90 FT4	1	Black, White	U-500 500 1000	U-152.4 152.4 304.8	29.0 30.5 58.0	13.2 13.9 26.4	.031	.79	.032	.81	.340	8.64
----------------------------------	------	-----------------------------------	---	-----------------	----------------------	---------------------------	----------------------	----------------------	------	-----	------	-----	------	------



See NEC Guidelines for applicable CL3 voltage ratings.

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

PVC Insulation • Chrome PVC Jacket

UL AWM Style 2587 (600V 90°C)	8477	NEC: CL3R	1	Black, White	U-500 500 1000	U-152.4 152.4 304.8	41.5 43.5 85.0	18.8 19.7 38.6	.032	.81	.035	.89	.386	9.80
----------------------------------	------	--------------	---	-----------------	----------------------	---------------------------	----------------------	----------------------	------	-----	------	-----	------	------

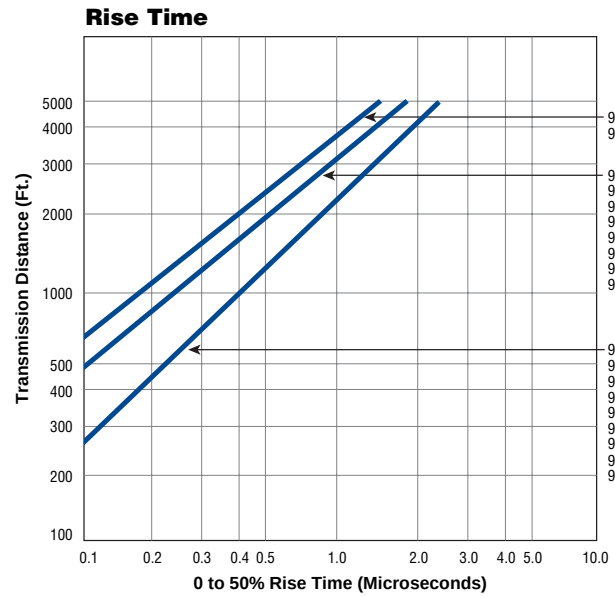
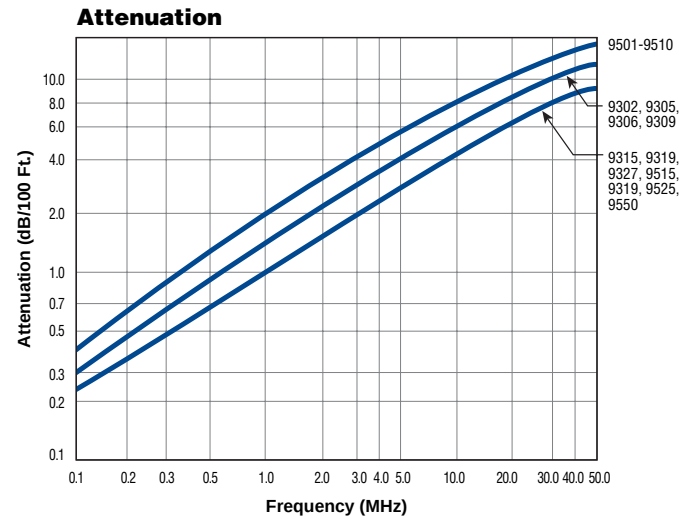


See NEC Guidelines for applicable CL3 voltage ratings.

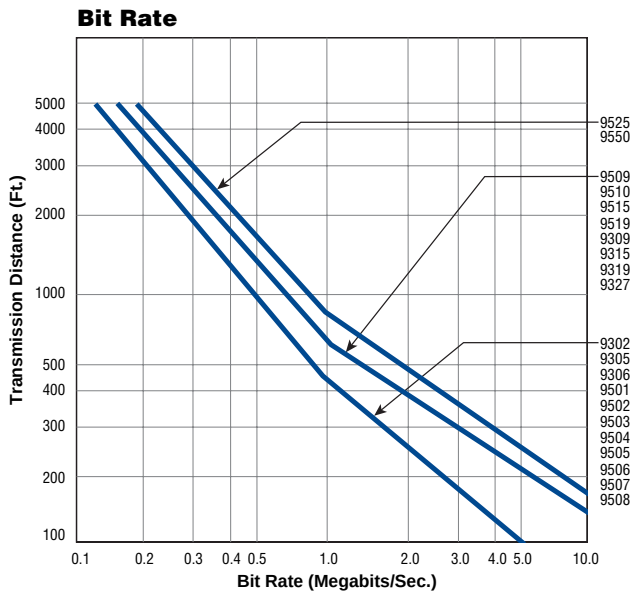
[†]Spools are one piece, but length may vary ±10% from length shown.

Overall Beldfoil® Shield

Cable Characteristics



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



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

Overall Beldfoil® Shield

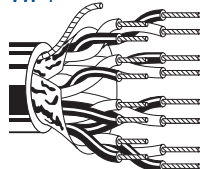
High-Temperature Control and Instrumentation Cables
and Computer Cables for EIA RS-232 Applications

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

20 AWG Stranded (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



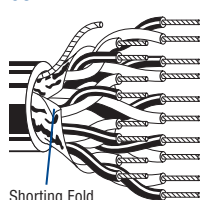
85164	4	See Chart 3 (Tech Info Section)	100	30.5	6.6	3.0	.015	.38	.025	.64	.344	8.74	23	75	40	131
			500†	152.4	37.0	16.8										
			1000†	304.8	71.0	32.3										
85168	8	See Chart 3 (Tech Info Section)	100	30.5	11.5	5.2	.015	.38	.025	.64	.439	11.15	23	75	40	131
			500†	152.4	62.0	28.2										
			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



Shorting Fold

9501	NEC: CMG CEC: CMG FT4	1	See Chart 3 (Tech Info Section)	100	30.5	2.1	1.0	24.0Ω/M'	18.0Ω/M'	.156	3.96	75	60%	40	131	74	243
				U-500	U-152.4	7.5	3.4	78.7Ω/km	59.1Ω/km								
				500	152.4	7.0	3.2										
				U-1000	U-304.8	14.0	6.4										
				1000	304.8	14.0	6.4										
9502††	NEC: CMG CEC: CMG FT4 P-MSHA-SC-7K-182037	2	See Chart 3 (Tech Info Section)	100	30.5	3.7	1.7	24.0Ω/M'	17.0Ω/M'	.222	5.64	75	60%	30	98	50	164
				U-500	U-152.4	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										
9503	NEC: CMG CEC: CMG FT4	3	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: CMG CEC: CMG FT4	4	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: CMG CEC: CMG FT4	5	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.

BELDEN

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

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

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Plenum-Rated and Non-Plenum

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

24 AWG Stranded (7x32) TC Conductors • Twisted Pair • Overall Beldfoil Shield[▲] (100% Coverage) • 24 AWG Stranded TC Drain Wire**Polyolefin Insulation • Black Matte PVC Jacket**

High-Flex 300V RMS	1508A	NEC: CM	1	Black, Red	500	152.4	6.5	2.9	.008	.20	.024	.61	.131	3.33	31	102	58	190
					1000	304.8	11.0	5.0										



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

Polypropylene Insulation • PVC Jacket (Available in Gray, Brown, Red, Green, Lt. Blue, Purple, White or Black)

300V RMS	1883A	NEC: CMR	1	Black, Red	U-1000	U-304.8	11.0	5.0	.008	.20	.020	.51	.123	3.12	31	102	58	190
					1000*	304.8	11.0	5.0										

Z-Fold[®]

* 1000 ft. put-up available in Gray only.

Jacket and shield are bonded so both can be removed with automatic stripping equipment. For cross-connect use with 1408R Snake Cables.

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 2092 (300V 60°C) 	8641	NEC:	1	Black,	100	30.5	2.3	1.0	.016	.41	.025	.64	.168	4.27	22	72	42	138
		CM		Clear	U-500	U-152.4	7.5	3.4										
		CEC:			500	152.4	7.0	3.2										
		CM			U-1000	U-304.8	14.0	6.4										
					1000	304.8	14.0	6.4										
					2000	609.6	28.0	12.7										

For Plenum versions of 8641, see 88641 or 82641.

For Plenum versions of 8641,
see 88641 or 82641.**Plenum • FEP Insulation • Red FEP Jacket**

300V RMS, Non-conduit	88641	NEC:	1	Black, Red	100	30.5	2.4	1.1	.006	.15	.014	.36	.106	2.69	31	102	59	194
		CMP			500†	152.4	6.0	2.7										
		CEC:			1000†	304.8	9.0	4.1										



CMP FT6

Plenum • FEP Insulation • Natural Flamarrest® Jacket

300V RMS, Non-conduit	82641	NEC:	1	Black, Red	U-1000†	U-304.8	9.0	4.1	.006	.15	.014	.36	.106	2.69	31	102	59	194
		CMP			1000†	304.8	8.0	3.6										
		CEC:																



CMP FT6

TC = Tinned Copper

* Capacitance between conductors.

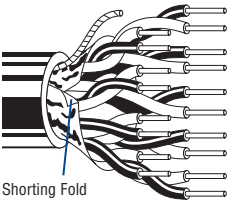
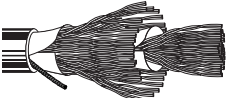
** Capacitance between one conductor and other conductors connected to shield.

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

▲ Beldfoil provides high reliability with ease of termination.

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Solid Tinned Copper Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire																		
PVC Insulation • Chrome PVC Jacket																		
 Shorting Fold	9302	NEC:	2	See	U-500	U-152.4	15.5	7.0	.013	.33	.032	.81	.244	6.20	35	115	50	164
		CMG		Chart 3	500	152.4	15.0	6.8										
		CEC:		(Tech Info	U-1000	U-304.8	29.0	13.2										
		CMG FT4		Section)	1000	304.8	31.0	14.1										
	9305	NEC:	4	See	100	30.5	4.9	2.2	.013	.33	.032	.81	.265	6.73	35	115	50	164
		CMG		Chart 3	U-500	U-152.4	22.0	10.0										
		CEC:		(Tech Info	500	152.4	22.5	10.2										
		CMG FT4		Section)	U-1000	U-304.8	43.0	19.5										
	9306	NEC:	6	See	500	152.4	31.5	14.3	.013	.33	.032	.81	.315	8.00	35	115	50	164
		CMG		Chart 3	1000	304.8	62.0	28.2										
 300V RMS, 60°C	9309	NEC:	9	See	500	152.4	44.5	20.2	.013	.33	.033	.84	.363	9.22	35	115	50	164
		CMG		Chart 3	1000	304.8	86.0	39.1										
		CEC:		(Tech Info														
		CMG FT4		Section)														
	9315	NEC:	15	See	500	152.4	67.0	30.5	.013	.33	.037	.94	.449	11.41	35	115	50	164
		CMG		Chart 3	1000	304.8	133.0	60.5										
		CEC:		(Tech Info														
		CMG FT4		Section)														
	9319	NEC:	19	See	500	152.4	85.0	38.6	.013	.33	.040	1.02	.495	12.57	35	115	50	164
		CMG		Chart 3	1000	304.8	165.0	75.0										
		CEC:		(Tech Info														
		CMG FT4		Section)														
9327	NEC:	27	See	500	152.4	116.0	52.7	.013	.33	.045	1.14	.615	15.62	35	115	50	164	
	CMG		Chart 3	1000	304.8	230.0	104.5											
8751	NEC:	51	Request	1000†	304.8	384.0	174.5	.010	.25	.050	1.27	.710	18.03	30	98	42.8	140	
	CMG		Technical															
	CEC:		Bulletin															
	CMG FT4		T/8-4															

For 38-pair polypropylene version of 8751, see 8752.

For 38-pair polypropylene version of 8751, see 8752.

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/Ft.	* pF/m	** pF/Ft.	** pF/m
22 AWG Solid Tinned Copper Conductors • Twisted Pairs • Duofoil® Shield (100% Coverage) • 22 AWG Stranded Tinned Copper Drain Wire																		
Datalene® Insulation • Black PVC Jacket																		
UL AWM Style 2668 (300V 60°C)	9184	NEC: CM	2	Black & Yellow,	500	152.4	29.0	13.2	16.5Ω/M'	8.0Ω/M'	.385	9.78	150	78%	8.7	28.5	14.1	46.3
		CEC:		Red &														
		CM		Blue														

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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

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

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

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

BELDEN

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

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

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

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

22 AWG Solid Tinned Copper Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 22 AWG Solid TC Drain Wire***Polypropylene Insulation • Gray or Black PVC Jacket**

300V RMS 75°C	8450	NEC: CM CEC: CM	1	Black, Red	U-500 [†] U-1000	U-152.4 U-304.8	7.5 14.0	3.4 6.4	.007 13.0	.18 5.9	.018 .46	.118 3.00	40 131	76 249				
---------------	-------------	--------------------------	---	---------------	------------------------------	--------------------	-------------	------------	--------------	------------	-------------	--------------	-----------	-----------	--	--	--	--

Z-Fold®

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

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

Polypropylene Insulation • Chrome PVC Jacket

200V RMS 80°C	8752		38	Request Tech Bulletin T/8-4	250 [†] 1000 [†]	76.2 304.8	65.0 256.0	29.5 116.4	.008 10.5	.20 5.1	.045 1.14	.610 15.50	17 56	24.3 80				
---------------	-------------	--	----	--------------------------------------	---------------------------------------	---------------	---------------	---------------	--------------	------------	--------------	---------------	----------	------------	--	--	--	--

*8752 has a stranded tinned copper drain wire.

22 AWG Stranded (7x30) Tinned Copper Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire**Semi-rigid PVC Insulation • Pale Fawn Beige Striated PVC Jacket**

UL AWM Style 2464 (300V 80°C)	9414	NEC: CMG CEC: CMG FT4	1	White, Black	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	12.0 11.5 23.0 23.0	5.5 5.2 10.5 10.5	.010 .25	.035 .89	.186 4.72	50 164	95 312					
----------------------------------	-------------	--------------------------------	---	-----------------	--------------------------------	--------------------------------------	------------------------------	----------------------------	-------------	-------------	--------------	-----------	-----------	--	--	--	--	--

**PVC Insulation • Chrome PVC Jacket**

UL AWM Style 2464 (300V 80°C)	9462	NEC: CMG CEC: CMG FT4	1	Black, Red	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	3.0 11.0 10.5 21.0 21.0	1.4 5.0 4.8 9.5 9.5	.013 .33	.035 .89	.186 4.72	50 164	90 295					
----------------------------------	-------------	--------------------------------	---	---------------	---------------------------------------	--	-------------------------------------	---------------------------------	-------------	-------------	--------------	-----------	-----------	--	--	--	--	--

Z-Fold®

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 2092 (300V 60°C)	8761	NEC: CM CEC: CM	1	Black, Clear	U-500 500 U-1000 1000 2000 5000 10000 ^{††}	U-152.4 152.4 U-304.8 304.8 609.6 1524.0 3048.0	9.0 9.0 17.0 18.0 36.0 90.0 170.0	4.1 4.1 7.7 8.2 16.3 40.9 77.3	.016 .41	.025 .64	.175 4.45	24 79	47 154					
----------------------------------	-------------	--------------------------	---	-----------------	---	---	---	--	-------------	-------------	--------------	----------	-----------	--	--	--	--	--

Z-Fold®

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

UL AWM Style 2092 (300V 60°C)	9461	NEC: CM CEC: CM	1	Black, Clear	U-500 U-1000	U-152.4 U-304.8	11.0 21.0	5.0 9.6	.016 .41	.026 .66	.180 4.57	24 79	47 154					
----------------------------------	-------------	--------------------------	---	-----------------	-----------------	--------------------	--------------	------------	-------------	-------------	--------------	----------	-----------	--	--	--	--	--



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

TC = Tinned Copper

*Capacitance between conductors.

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

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

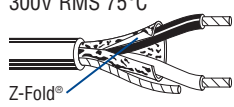
††Length may vary -10% to +20% and may contain 2 pieces. Minimum length of any piece is 1500 ft.

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

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

22 AWG Stranded (7x30) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire (continued)**Polypropylene Insulation • Paper Wrap • Gray or Black PVC Jacket**

300V RMS 75°C 	8451	NEC:	1	Black, Red	100*	30.5	2.3	1.1	.008	.20	.020	.51	.138	3.51	34	112	67	220
		CMR			U-500	U-152.4	8.5	3.8										
		CEC:			500	152.4	8.0	3.6										
		CMG			U-1000	U-304.8	16.0	7.3										
					1000	304.8	16.0	7.3										

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

Unique paper separator facilitates jacket stripping.

Polypropylene Insulation • PVC Jacket (Available in Black, Gray, Brown, Red, Orange, Yellow, Green, Blue, Purple or White)

300V RMS 75°C 	9451	NEC:	1	Black, Red	U-500*	U-152.4	8.5	3.9	.008	.20	.020	.51	.135	3.43	35	115	67	220
		CMR			500*	152.4	8.0	3.6										
		CEC:			T-1000*	T-304.8	18.0	8.2										
		CMG FT4			U-1000	U-304.8	15.0	6.8										
					5000	1524.0	75.0	34.0										

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

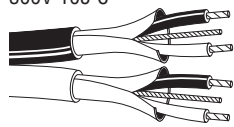
The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain wire is inside foil shield.

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

300V RMS 105°C 	9451SB new	NEC:	1	Black, Red	1000	304.8	20.0	9.1	.008	.20	.032	.81	.160	4.06	35	115	67	220
		CMG-LS																
		CEC:																
		CMG-LS FT4																
		Limited Smoke																

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

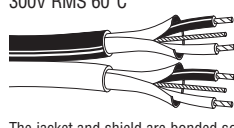
Polyolefin Insulation • PVC Jacket in Zip-Cord Construction (Red & Green, Red & Black, Red & Purple or Red & Gray)

300V 105°C 	9451D	NEC:	2	Black, Red	U-1000	U-304.8	29.0	13.2	.008	.20	.020	.51	.135	3.43	34	112	67	220
		CMR			2000*	620.8	62.0	28.1					x	x				
		CEC:																
		CMR FT4																

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

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

Plenum • FEP Insulation • White Flamarrest® Jacket in Zip-Cord Construction

300V RMS 60°C 	9451DP new	NEC:	2	Black & Red, Black & White	1000	304.8	24.0	10.9	.007	.18	.017	.43	.127	3.23	35	115	67	220
		CMP											x	x				
		CEC:																
		CMP FT6																

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

22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire**Polypropylene Insulation • PVC Jacket** (Available in Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black)

300V RMS 	1266A	NEC:	1	Black, Red	U-1000	U-304.8	15.0	6.8	.010	.25	.020	.51	.143	3.63	30	99	54	177
		CM			1000†	304.8	15.0	6.8										
		CEC:																
		CM																

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

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

PVC Insulation • PVC Jacket (Available in Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black)

300V 90°C 	1503A	NEC:	1	Black, Red	U-1000	U-304.8	16.0	7.3	.010	.25	.020	.51	.142	3.61	53	174	97	318
		CM																
		CEC:																
		CM																

TC = Tinned Copper

*Capacitance between conductors.

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

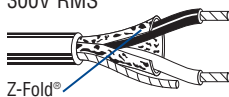
Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

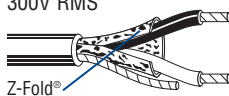
Plenum-Rated and Non-Plenum

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

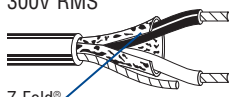
22 AWG Stranded (7x30) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire**Plenum • FEP Insulation • Red FEP Jacket**

 Z-Fold®	88761	NEC:	1	Black, Red	100†	30.5	2.7	1.2	.006	.15	.014	.36	.119	3.02	35	115	67	220
		CMP			U-500†	U-152.4	7.5	3.4										
		CEC:			500†	152.4	7.5	3.4										
		CMP FT6			U-1000†	U-304.8	15.0	6.8										
					1000†	304.8	12.0	5.4										

Plenum • FEP Insulation • Red Fluorocopolymer Jacket

 Z-Fold®	87761	NEC:	1	Black, Red	500†	152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
		CMP			1000†	304.8	11.0	5.0										
		CEC:																

Plenum • FEP Insulation • Natural Flamarrest® Jacket

 Z-Fold®	82761	NEC:	1	Black, Red	U-500†	U-152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
		CMP			U-1000†	U-304.8	14.0	6.4										
		CEC:			1000†	304.8	11.0	5.0										
		CMP FT6																

Plenum • FEP Insulation • Flamarrest Jacket (Black, Gray, Brown, Red, Orange, Yellow, Green, Blue, Purple or White)

 Z-Fold®	9451P new	NEC:	1	Black, Red	U-1000	U-304.8	15.0	6.8	.007	.18	.017	.43	.127	3.23	35	115	67	220
		CMP			5000	1524.0	75.0	34.0										
		CEC:																
		CMP FT6																

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

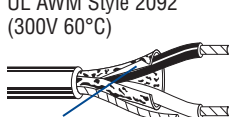
22 AWG Stranded (19x34) TC Conductors • Dual Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire**PVC Insulation • PVC Jacket in Zip-Cord Construction** (Red & Green, Red & Black, Red & Purple or Red & Gray)

 Z-Fold®	1504A	NEC:	2	Black, Red	U-1000	U-304.8	32.0	14.5	.010	.25	.020	.51	.143	3.63	57	187	100	328
		CM			2000††	609.8	64.0	29.0					x	x				
		CEC:											.286	7.26				
		CM																

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

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

20 AWG Stranded (7x28) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire**Polyethylene Insulation • Chrome PVC Jacket**

 Shorting Fold	8762	NEC:	1	Black, Clear	100	30.5	3.2	1.5	.016	.41	.028	.71	.204	5.18	27	89	49	161
		CM			250	76.2	6.3	2.8										
		CEC:			U-500	U-152.4	12.0	5.5										
		CM			500	152.4	12.0	5.5										
					U-1000	U-304.8	23.0	10.5										
					1000	304.8	23.0	10.5										
					2000	609.6	46.0	20.9										
					10000	3048.0	240.0	109.1										

 Shorting Fold	9464	NEC:	1	Black, Clear	U-500	U-152.4	17.0	7.7	.016	.41	.035	.89	.214	5.44	27	89	49	161
		CM			U-1000	U-304.8	32.0	14.5										
		CEC:																

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

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.

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

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

Overall Beldfoil® Shield

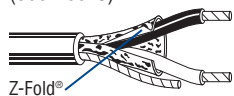
Audio, Control and Instrumentation Cables

Plenum-Rated and Non-Plenum

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

20 AWG Stranded (7x28) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire (cont.)

PVC Insulation • Beige PVC Jacket

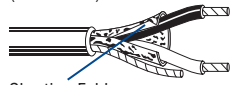
UL AWM Style 2464 (300V 80°C) 	9154	NEC:	1	Black, Red	U-500	U-152.4	11.5	5.2	.014	.36	.031	.79	.198	5.03	60	197	100	328
		CMG			500	152.4	12.0	5.5										
		CEC:			U-1000	U-304.8	22.0	10.0										
		CMG FT4			1000	304.8	23.0	10.5										

Z-Fold®

9154 has 22 AWG stranded tinned copper drain wire.

18 AWG Stranded (16x30) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 2092 (300V 60°C) 	8760	NEC:	1	Black, Clear	250	76.2	6.8	3.1	.019	.48	.028	.71	.222	5.64	24	79	44	144
		CM			U-500	U-152.4	13.5	6.1										
		CEC:			500	152.4	13.0	5.9										
		CM			U-1000	U-304.8	25.0	11.3										
					1000	304.8	26.0	11.8										
					2000	609.6	50.0	22.7										

Shorting Fold

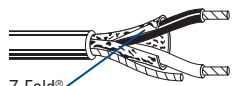
For Plenum versions of 8760,
see 88760, 87760 or 82760.

	9460	NEC:	1	Black, Clear	U-500	U-152.4	18.5	8.4	.019	.48	.030	.76	.230	5.84	24	79	44	144
		CM			U-1000	U-304.8	36.0	16.4										
		CEC: CM																

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

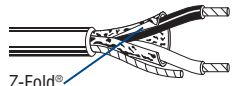
18 AWG Stranded (19x30) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire

Plenum • FEP Insulation • Red FEP Jacket

300V RMS 	88760	NEC:	1	Black, Red	100	30.5	3.7	1.7	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP			U-500	U-152.4	12.5	5.7										
		CEC:			500†	152.4	11.0	5.0										
		CMP FT6			U-1000	U-304.8	24.0	10.9										

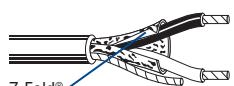
Z-Fold®

Plenum • FEP Insulation • Red Fluorocopolymer Jacket

300V RMS 	87760	NEC:	1	Black, Red	U-500	U-152.4	12.5	5.7	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP			500†	152.4	10.5	4.8										
		CEC: CMP FT6			1000†	304.8	21.0	9.5										

Z-Fold®

Plenum • FEP Insulation • Natural Flamarrest® Jacket

300V RMS 	82760	NEC:	1	Black, Red	U-500†	U-152.4	12.0	5.4	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP			U-1000†	U-304.8	22.0	10.0										
		CEC: CMP FT6			1000†	304.8	21.0	9.5										

Z-Fold®

TC = Tinned Copper

* Capacitance between conductors.

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

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

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

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

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

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 20253 (600V 80°C)  Shorting Fold	8719	NEC: CM, CL2 CEC: CM	1	Black, Clear	U-500	U-152.4	24.0	11.1	.032	.81	.032	.81	.313	7.95	23	75	44	144
					500	152.4	25.5	11.6										
					U-1000	U-304.8	47.0	21.3										
					1000	304.8	50.0	22.7										
					2000	609.6	100.0	45.5										
					5000	1524.0	245.0	111.4										
					10000	3048.0	510.0	231.3										

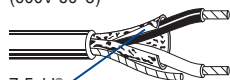
14 AWG Stranded (19x27) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 16 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 20253 (600V 80°C)  Z-Fold®	8720	NEC: CM, CL2	1	Black, Clear	U-500	U-152.4	34.0	15.4	.032	.81	.035	.89	.355	9.02	24	79	47	154
					500	152.4	35.0	15.9										
					1000	304.8	71.0	32.3										
					2000	609.6	138.0	62.7										

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

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 20253 (600V 80°C)  Z-Fold®	8718	NEC: CL2	1	Black, Clear	U-500	U-152.4	47.5	21.6	.037	.94	.040	1.02	.400	10.16	25	82	49	161
					500	152.4	50.5	22.9										
					1000	304.8	100.0	45.5										
					2000	609.6	198.0	90.0										

TC = Tinned Copper

*Capacitance between conductors.

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

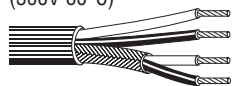
Combination Unshielded and Braid Shield and Overall Braid Shield

Audio, Control and Instrumentation Cables

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

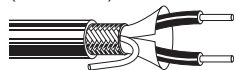
Combination • 22 AWG Stranded (7x30) TC Conductors • Conductors Cabled • TC Braid Shield Over One Pair (62% Coverage)

Polyethylene Insulation • Chrome PVC Jacket

	8732	UL AWM Style 2094 (300V 60°C)	NEC:	2:	Black,	500	152.4	17.5	7.9	.020	.51	.030	.76	.206	5.23	21	69	37	121
			CM	(1) Shld	Clear	U-1000	U-304.8	37.0	16.8					x	x				
			CEC:	(1) Unshld		1000	304.8	39.0	17.7					.332	8.43				
			CM																

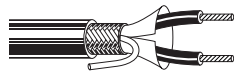
Overall Braid • 22 AWG Solid TC Conductors • Twisted Pair • Polyester Tape + TC Braid Shield (88% Coverage) • 22 AWG Solid TC Drain Wire

PVC Insulation • Black PVC Jacket

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

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

PVC Insulation • Black PVC Jacket

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

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

Rubber Insulation • Chrome PVC Jacket

	8208	300V RMS 80°C		1	Red, White	100	30.5	4.7	2.1	.022	.56	.025	.64	.257	6.53	46	151	77	253
						U-500	U-152.4	21.5	9.8										
						500	152.4	20.0	9.1										
						U-1000	U-304.8	42.0	19.1										
						1000	304.8	43.0	19.5										

TC = Tinned Copper

*Capacitance between conductors.

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

Overall Spiral Shield

Audio, Control and Instrumentation Cables

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

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

PVC Insulation • Chrome PVC Jacket

UL AWM Style 2095 (300V 80°C)	8737	NEC: CMG	1	Black, Red	U-500 500	U-152.4 152.4	10.5 10.0	4.8 4.5	.015 .015	.38 .38	.025 .025	.64 .64	.180 .180	4.57	40	131	70	230
		CEC: CMG FT4			U-1000 1000	U-304.8 304.8	20.0 20.0	9.1 9.1										



Overall Spiral • 20 AWG Stranded (7x28) Tinned Copper Conductors • Twisted Pair • Tinned Copper Spiral Wrapped Shield (89% Coverage)

PVC Insulation • Chrome PVC Jacket

UL AWM Style 2095 (300V 80°C)	8759	NEC: CMG	1	Black, Red	U-500 500	U-152.4 152.4	12.5 12.0	5.7 5.0	.016 .016	.41 .41	.025 .025	.64 .64	.199 .199	5.05	47	154	79	259
		CEC: CMG FT4			U-1000 1000	U-304.8 304.8	24.0 25.0	10.9 11.4										



Overall Spiral • 18 AWG Stranded (7x26) Tinned Copper Conductors • Twisted Pair • Tinned Copper Spiral Wrapped Shield (85% Coverage)

PVC Insulation • Chrome PVC Jacket

300V RMS 60°C	8790	NEC: CMG	1	Red, White	U-500 500	U-152.4 152.4	17.5 17.0	7.9 7.7	.022 .022	.56 .56	.028 .028	.71 .71	.241 .241	6.12	53	174	92	302
		CEC: CMG FT4			U-1000 1000	U-304.8 304.8	33.0 35.0	15.0 15.9										



Overall Spiral • 16 AWG Stranded (19x29) Tinned Copper Conductors • Twisted Pair • Tinned Copper Spiral Wrapped Shield (85% Coverage)

PVC Insulation • Chrome PVC Jacket

300V RMS 60°C	8780	NEC: CMG	1	Black, White	500	152.4	23.5	10.7	.023	.58	.030	.76	.280	7.11	57	187	98	322
		CEC: CMG FT4			U-1000 1000	U-304.8 304.8	44.0 46.0	20.0 20.9										

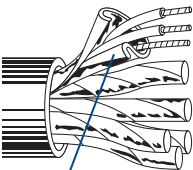


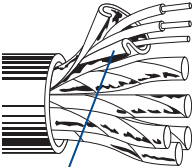
*Capacitance between conductors.

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

Individually Shielded

Audio, Control and Instrumentation Cables

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

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

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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

Individually Shielded

Audio, Control and Instrumentation Cables

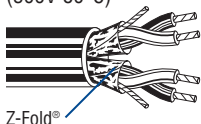
Plenum-Rated and Non-Plenum

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

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

Semi-rigid PVC Insulation • Pale Fawn Beige PVC Jacket (Shielded Pairs Parallel under Jacket)

UL AWM Style 2464 (300V 80°C)	9406	NEC:	2	Black & White,	100	30.5	3.8	1.7	15.0Ω/M'	13.0Ω/M'	.173	4.39	50	60%	50	164	95	312
		CMG			U-500	U-152.4	16.5	7.5	49.2Ω/km	42.7Ω/km	x	x						
		CEC:			500	152.4	17.0	7.7			.280	7.11						
		CMG FT4			U-1000	U-304.8	32.0	14.5										
					1000	304.8	33.0	15.0										

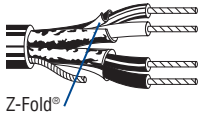


Z-Fold®

22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil (100% Coverage) • 24 AWG Stranded TC Drain Wire

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

300V RMS 60°C	8723	NEC:	2	Red & Black,	100	30.5	2.3	1.0	15.0Ω/M'	16.6Ω/M'	.160	4.06	45	66%	35	115	62	203
		CM			U-500	U-152.4	10.5	4.8	49.2Ω/km	54.5Ω/km								
		CEC:			500	152.4	10.0	4.5										
		CM			U-1000	U-304.8	20.0	9.1										
					1000	304.8	20.0	9.1										
					1640	499.9	32.8	14.9										
					U-2000	U-609.6	38.0	17.2										
					2000	609.6	40.0	18.2										
					3280	999.7	65.6	29.8										
					5000	1524.0	95.0	43.2										
					10000	3048.0	200.0	90.9										



Z-Fold®

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

Polypropylene Insulation • Black Low-Smoke, Zero-Halogen Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

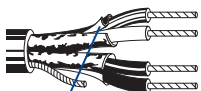
300V RMS 60°C	8723SB	NEC:	2	Red & Black,	1000	304.8	26.0	11.8	14.7Ω/M'	15.0Ω/M'	.196	4.98	45	66%	35	115	62	203
		new CMG-LS							48.2Ω/km	49.2Ω/km								
		CEC:																
		CMG-LS FT4 Limited Smoke																



Z-Fold®

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

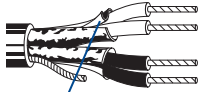
300V RMS, Non-conduit	82723	NEC:	2	Red & Black,	U-500†	U-152.4	10.5	4.8	14.7Ω/M'	16.6Ω/M'	.153	3.89	36	62%	43	141	75	246
		CMP			U-1000	U-304.8	20.0	9.1	48.2Ω/km	54.5Ω/km								
		CEC:			1000†	304.8	19.0	8.6										
		CMP FT6			U-2000†	U-609.6	40.0	18.1										



Z-Fold®

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

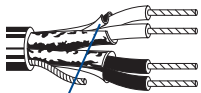
300V RMS, Non-conduit	88723	NEC:	2	Red & Black,	100†	30.5	3.4	1.5	16.0Ω/M'	14.7Ω/M'	.148	3.76	40	69%	35	115	67	220
		CMP			500†	152.4	11.0	5.0	52.5Ω/km	48.2Ω/km								
		CEC:			1000†	304.8	19.0	8.6										
		CMP FT6																



Z-Fold®

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

300V RMS, Non-conduit	87723	NEC:	2	Red & Black,	500†	152.4	11.0	5.0	14.7Ω/M'	15.0Ω/M'	.148	3.76	40	69%	35	115	67	220
		CMP			1000†	304.8	20.0	9.1	48.2Ω/km	49.2Ω/km								
		CEC:																
		CMP FT6																



Z-Fold®

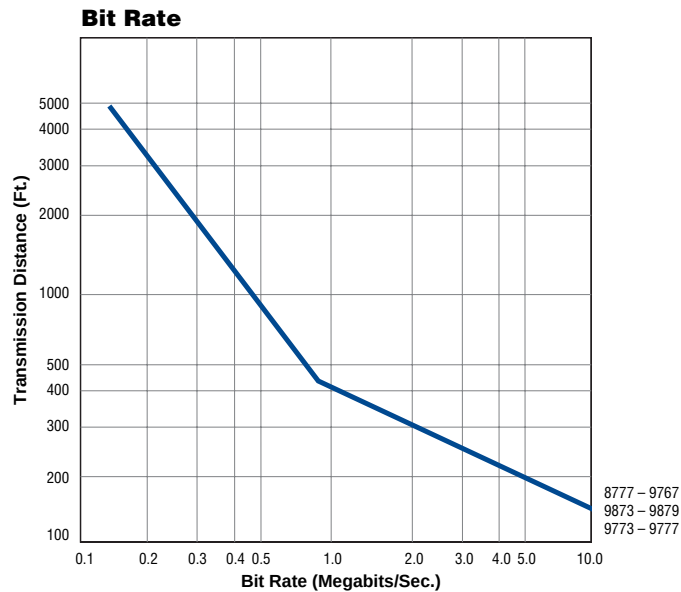
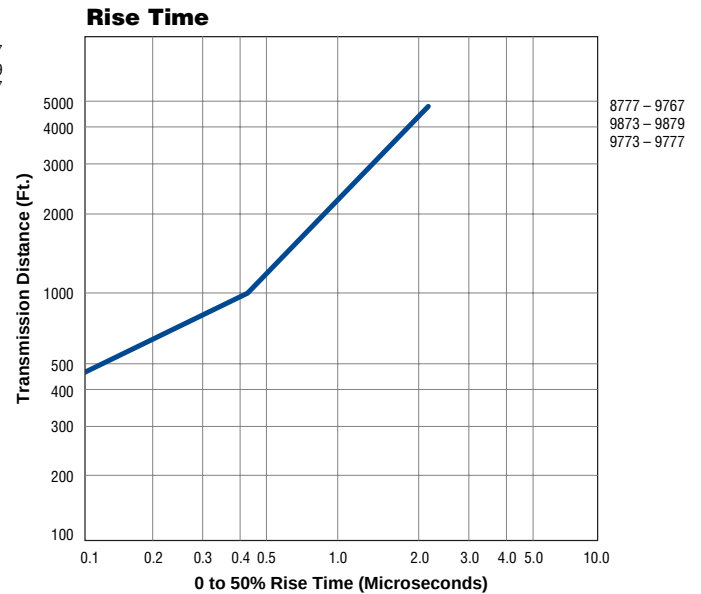
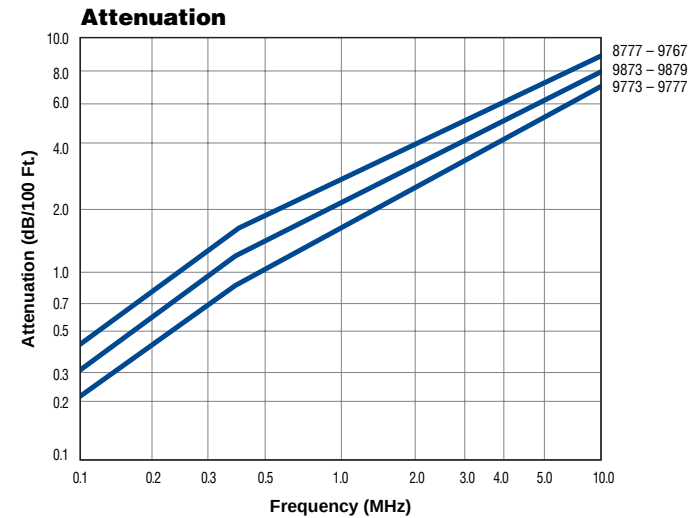
DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

*Capacitance between conductors.

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

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

Individually Shielded Cable Characteristics



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

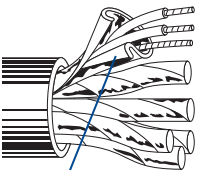
Insulation resistance between shields:
100 megohms/M' nom.

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

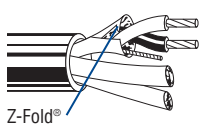
Working voltage between adjacent shields:
50 volts max.

Individually Shielded

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		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																		
 Z-Fold®	8777	NEC:	3	See	100	30.5	4.7	2.1	15.0Ω/M'	10.6Ω/M'	.273	6.93	50	66%	30	98	55	180
		CM		Chart 3	250	76.2	10.0	4.5	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	U-500	U-152.4	21.0	9.5										
		CM		Section)	500	152.4	20.0	9.1										
					U-1000	U-304.8	41.0	18.6										
					1000	304.8	44.0	20.0										
					1640	499.9	70.5	32.0										
					3280	999.7	141.0	64.0										
					5000	1524.0	215.0	97.6										
					10000 ††	3048.0	460.0	208.8										
For Plenum versions of 8777, see 88777, 87777 or 82777.																		
	8778	NEC:	6	See	100	30.5	8.4	3.8	15.0Ω/M'	10.6Ω/M'	.362	9.19	50	66%	30	98	55	180
		CM		Chart 3	250	76.2	19.0	8.6	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	500	152.4	43.0	19.5										
		CM		Section)	1000	304.8	83.0	37.7										
	8774	NEC:	9	See	100	30.5	11.5	5.2	15.0Ω/M'	10.6Ω/M'	.417	10.59	50	66%	30	98	55	180
		CM		Chart 3	250	76.2	29.5	13.4	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	500	152.4	57.5	26.1										
		CM		Section)	1000	304.8	113.0	51.3										
	8775	NEC:	11	See	100	30.5	12.1	5.5	15.0Ω/M'	10.6Ω/M'	.464	11.79	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	65.5	29.7	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	1000	304.8	130.0	59.0										
		CM		Section)														
	9768	NEC:	12	See	100	30.5	13.2	6.0	15.0Ω/M'	10.6Ω/M'	.464	11.79	50	66%	30	98	55	180
		CM		Chart 3	250	76.2	36.5	16.5	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	500	152.4	73.5	33.4										
		CM		Section)	1000	304.8	143.0	65.0										
	8776	NEC:	15	See	100	30.5	17.8	8.1	15.0Ω/M'	10.6Ω/M'	.548	13.92	50	66%	30	98	55	180
		CM		Chart 3	250	76.2	49.5	22.5	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	500	152.4	98.0	44.5										
		CM		Section)	1000	304.8	197.0	89.5										
	9769	NEC:	17	See	100	30.5	20.0	9.1	15.0Ω/M'	10.6Ω/M'	.577	14.66	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	109.0	49.5	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	1000	304.8	215.0	97.7										
		CM		Section)														
	8769	NEC:	19	See	100	30.5	22.9	10.4	15.0Ω/M'	10.6Ω/M'	.603	15.32	50	66%	30	98	55	180
		CM		Chart 3	500	152.4	123.0	55.8	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	1000	304.8	244.0	110.8										
		CM		Section)														
	8773	NEC:	27	See	100	30.5	33.9	15.4	15.0Ω/M'	10.6Ω/M'	.709	18.00	50	66%	30	98	55	180
		CM		Chart 3	250 †	76.2	83.8	38.0	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info	500	152.4	163.0	74.0										
		CM		Section)	1000	304.8	341.0	154.8										
	9767	NEC:	37	See	500 †	152.4	224.0	101.8	15.0Ω/M'	10.6Ω/M'	.800	20.32	50	66%	30	98	55	180
		CM		Chart 3	1000 †	304.8	481.0	218.6	49.2Ω/km	34.8Ω/km								
		CEC:		(Tech Info														
		CM		Section)														

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

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

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.

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

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

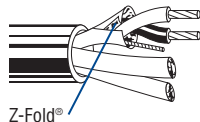
Individually Shielded

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

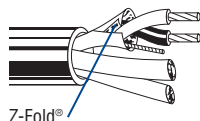
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

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

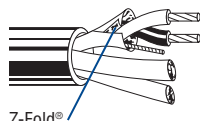
Plenum • FEP Insulation • Natural Flamarrest® Jacket

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

Plenum • FEP Insulation • Red FEP Jacket

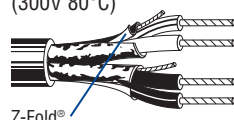
300V RMS 	88777	NEC: CMP CEC: CMP FT6	3	See Chart 3 (Tech Info Section)	100	30.5	6.0	2.7	14.7Ω/M'	11.3Ω/M'	.234	5.94	50	69%	31	102	67	220
					500†	152.4	19.0	8.6	48.2Ω/km	37.1Ω/km								
	88778	NEC: CMP CEC: CMP FT6	6	See Chart 3 (Tech Info Section)	100	30.5	7.0	3.2	14.7Ω/M'	11.3Ω/M'	.309	7.85	50	69%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

Plenum • FEP Insulation • Red Fluorocopolymer Jacket

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

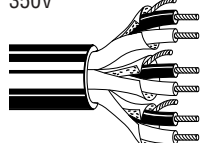
20 AWG Stranded (7x28) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil (100% Coverage) • 22 AWG Stranded TC Drain Wire

Semi-rigid PVC Insulation • Overall Chrome PVC Jacket

UL AWM Style 2464 (300V 80°C)  Z-Fold®	9402	NEC:	2	Red & Black,	U-500	U-152.4	26.0	11.8	—	—	.300	7.62	—	—	55	180	95	312			
		CMG			1000	304.8	52.0	23.7													
		CEC:			Green & White									Insulation Thickness					.010	.25	
		CMG FT4												Jacket Thickness					.041	1.04	

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

DCR = DC Resistance • TC = Tinned Copper

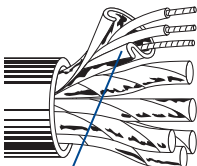
*Capacitance between conductors.

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

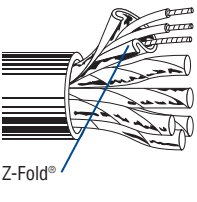
†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

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

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

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

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.

Plenum-Rated

Unshielded

Audio, Control and Instrumentation Cables

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

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

Plenum • FEP Insulation • Red FEP Jacket

	300V RMS	88442	NEC: CMP CEC: CMP FT6	1	Black & Red	100	30.5	2.3	1.0	.006	.15	.012	.30	.102	2.59
						500†	152.4	5.5	2.5						
						1000†	304.8	8.0	3.6						
	300V RMS	88741	NEC: CMP CEC: CMP FT6	2	Black & Red, Black & White	500†	152.4	8.0	3.6	.006	.15	.012	.30	.169	4.29
						1000†	304.8	16.0	7.3						
	300V RMS	88757	NEC: CMP CEC: CMP FT6	4	Black & Red, Black & White, Black & Green, Black & Blue	500†	152.4	14.0	6.4	.006	.15	.012	.30	.200	5.08
						1000†	304.8	28.0	12.7						

Plenum • FEP Insulation • Natural Flamarrest® Jacket

	300V RMS	82442	NEC: CMP CEC: CMP FT6	1	Black & Red	U-1000†	U-304.8	9.0	4.1	.006	.15	.014	.36	.112	2.84
						1000†	304.8	8.0	3.6						
	300V RMS	82741	NEC: CMP CEC: CMP FT6	2	Black & Red, Black & White	U-1000†	U-304.8	18.0	8.2	.006	.15	.014	.36	.179	4.55
						1000†	304.8	20.0	9.1						
	300V RMS	82742	NEC: CMP CEC: CMP FT6	3	Black & Red, Black & White, Black & Green	U-1000†	U-304.8	24.0	10.9	.006	.15	.014	.36	.191	4.85
						1000†	304.8	26.0	11.8						
	300V RMS	82757	NEC: CMP CEC: CMP FT6	4	Black & Red, Black & White, Black & Green, Black & Blue	1000	304.8	32.0	14.5	.006	.15	.014	.36	.210	5.33
	300V RMS	82743	NEC: CMP CEC: CMP FT6	6	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown	U-1000	U-304.8	44.0	20.0	.006	.15	.015	.38	.238	6.05
						1000	304.8	46.0	20.9						

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

Plenum • FEP Insulation • Red FEP Jacket

	300V RMS	89740	NEC: CMP CEC: CMP FT6	1	Black & Red	100	30.5	3.0	1.4	.006	.15	.009	.23	.136	3.45
						500†	152.4	9.0	4.1						
						1000†	304.8	15.0	6.8						

Plenum • FEP Insulation • Red Fluorocopolymer Jacket

	300V RMS	87740	NEC: CMP CEC: CMP FT6	1	Black & Red	500†	152.4	9.0	4.1	.006	.15	.011	.28	.140	3.56
						1000†	304.8	17.0	7.7						

Plenum • FEP Insulation • Natural Flamarrest Jacket

	300V RMS	82740	NEC: CMP CEC: CMP FT6	1	Black & Red	U-1000	U-304.8	17.0	7.7	.006	.15	.015	.38	.147	3.73
						1000	304.8	16.0	7.3						

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

Plenum-Rated

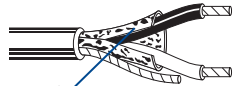
Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

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

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

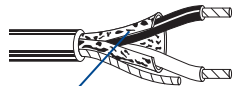
Plenum • FEP Insulation • Red FEP Jacket

300V RMS 	88761	NEC:	1	Black, Red	100	30.5	2.7	1.2	.006	.15	.014	.36	.119	3.02	35	115	67	220
		CMP			U-500	U-152.4	7.5	3.4										
		CEC:			500	152.4	7.5	3.4										
		CMP FT6			U-1000	U-304.8	15.0	6.8										
					1000	304.8	12.0	5.5										

Plenum • FEP Insulation • Red Fluorocopolymer Jacket

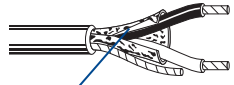
300V RMS 	87761	NEC:	1	Black, Red	500	152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
		CMP			1000	304.8	11.0	5.0										
		CEC:																
		CMP FT6																

Plenum • FEP Insulation • Natural Flamarrest® Jacket

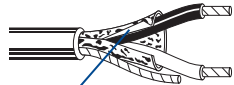
300V RMS 	82761	NEC:	1	Black, Red	U-500	U-152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
		CMP			U-1000	U-304.8	14.0	6.4										
		CEC:			1000	304.8	11.0	5.0										
		CMP FT6																

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

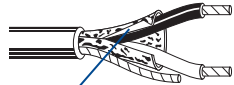
Plenum • FEP Insulation • Red FEP Jacket

300V RMS 	88760	NEC:	1	Black, Red	100	30.5	3.7	1.7	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP			U-500	U-152.4	12.5	5.7										
		CEC:			500	152.4	11.0	5.0										
		CMP FT6			U-1000	U-304.8	24.0	10.9										
					1000	304.8	22.0	10.0										

Plenum • FEP Insulation • Red Fluorocopolymer Jacket

300V RMS 	87760	NEC:	1	Black, Red	U-500	U-152.4	12.5	5.7	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP			500	152.4	10.5	4.8										
		CEC:			1000	304.8	21.0	9.5										
		CMP FT6																

Plenum • FEP Insulation • Natural Flamarrest Jacket

300V RMS 	82760	NEC:	1	Black, Red	U-500	U-152.4	12.0	5.5	.007	.18	.014	.36	.150	3.81	51	167	97	318
		CMP			U-1000	U-304.8	22.0	10.0										
		CEC:			1000	304.8	21.0	9.5										
		CMP FT6																

TC = Tinned Copper

*Capacitance between conductors.

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

Plenum-Rated

Individually Shielded Pairs

Audio, Control and Instrumentation Cables

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

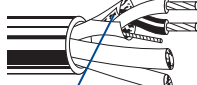
22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Shielded Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire††**Plenum • FEP Insulation • Natural Flamarrest® Jacket**

300V RMS 	82723	NEC:	2	Red & Black, Green & White	U-500	U-152.4	10.5	4.8	14.7Ω/M'	16.6Ω/M'	.153	3.89	36	62%	43	141	75	246
		CMP			U-1000	U-304.8	20.0	9.1	48.2Ω/km	54.5Ω/km								
		CEC:			1000	304.8	19.0	8.6										
		CMP FT6			U-2000	U-609.6	40.0	18.2										

Z-Fold®

††82723 has 24 AWG drain wire

Pairs cabled on common axis to reduce diameter.

300V RMS 	82777	NEC:	3	See Chart 3 (Tech Info Section)	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			U-1000	U-304.8	38.0	17.3	48.2Ω/km	37.1Ω/km								
		CEC:			1000	304.8	39.0	17.7										
		CMP FT6																

Z-Fold®

82778	NEC:	6	See Chart 3 (Tech Info Section)	1000	304.8	71.0	32.2	14.7Ω/M'	11.3Ω/M'	.314	7.98	46	62%	35	115	76	249
	CMP							48.2Ω/km	37.1Ω/km								
	CEC:																
	CMP FT6																

Plenum • FEP Insulation • Red FEP Jacket

300V RMS 	88723	NEC:	2	Red & Black, Green & White	100	30.5	3.4	1.5	14.7Ω/M'	16.6Ω/M'	.148	3.76	40	69%	35	115	67	220
		CMP			500	152.4	11.0	5.0	48.2Ω/km	54.5Ω/km								
		CEC:			1000	304.8	19.0	8.6										
		CMP FT6																

Z-Fold®

††88723 has 24 AWG drain wire

300V RMS 	88777	NEC:	3	See Chart 3 (Tech Info Section)	100	30.5	6.0	2.7	14.7Ω/M'	11.3Ω/M'	.234	5.94	50	69%	31	102	67	220
		CMP			500	152.4	19.0	8.6	48.2Ω/km	37.1Ω/km								
		CEC:			1000	304.8	42.0	19.1										
		CMP FT6																

Z-Fold®

88778	NEC:	6	See Chart 3 (Tech Info Section)	100	30.5	7.0	3.2	14.7Ω/M'	11.3Ω/M'	.309	7.85	50	69%	31	102	67	220
	CMP			500	152.4	38.5	17.5	48.2Ω/km	37.1Ω/km								
	CEC:			1000	304.8	75.0	34.1										
	CMP FT6																

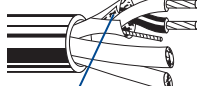
Pairs cabled on common axis to reduce diameter.

Plenum • FEP Insulation • Red Fluorocopolymer Jacket

300V RMS 	87723	NEC:	2	Red & Black, Green & White	500	152.4	11.0	5.0	14.7Ω/M'	15.0Ω/M'	.148	3.76	40	69%	35	115	67	220
		CMP			1000	304.8	18.0	8.2	48.2Ω/km	49.2Ω/km								
		CEC:																
		CMP FT6																

Z-Fold®

††87723 has 24 AWG drain wire.

300V RMS 	87777	NEC:	3	See Chart 3 (Tech Info Section)	500	152.4	18.0	8.2	14.7Ω/M'	11.3Ω/M'	.234	5.94	50	69%	31	102	67	220
		CMP			1000	304.8	40.0	18.2	48.2Ω/km	37.1Ω/km								
		CEC:																
		CMP FT6																

Z-Fold®

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

Pairs cabled on common axis to reduce diameter.

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

*Capacitance between conductors.

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

Communication and Control Cable

Pro Audio and Intercom Systems
Unshielded



**Unshielded,
Pairs or Multi-conductor**
CM FT1 Rated*

Product Description

Bare copper conductors, polypropylene (multiconductor) or polyolefin (paired) insulation, PVC jacket with rip cord (except 5626UG and 5624UG which do not have rip cord).

5500 Series available in Beige, Brown, Orange, Yellow, Green, Blue, Purple, Gray or White jacket colors (except as noted in footnote). Conductors may not be cabled. Sequential footage marking every two feet. **5600 Series** available in Dark Gray.

Color Code: See charts below.

Specifications

Conductor	Bare Copper
Insulation	
Multiconductor	Polypropylene
Paired	Polyolefin
Insulation Thickness	
5500 Series	.0060" (.152mm)
5600 Series	.0065" (.165mm)
Jacket	PVC
Approvals	
NEC	CM
CEC	CM FT1*
Voltage Rating	300V

*Only 5520UG and 5522UG are CEC/CM FT1 rated

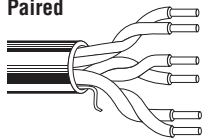
Applications (5500)

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls
- Single Line Telephone

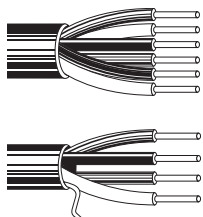
Applications (5600)

- Nurse Call Systems
- Annunciators
- Voice Systems
- Paging
- Commercial Sound Systems

Paired



Multi-conductor



Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Unshielded, Pairs (NEC CM and CEC CM FT1)

24 AWG, Cat. 5e										
5662UG new	6	solid	1000	304.8	16.0	8.62	—	—	.172	4.37
	(3/pr)									

Unshielded, Multi-conductor (NEC CM and CEC CM)

24 AWG										
5626UG new	8	solid	1000	304.8	29.0	13.15	.030	.762	.093 X .324	2.36 X 8.23
5624UG new	6	solid	1000	304.8	19.0	8.62	.024	.610	.081 X .246	2.06 X 6.25

Unshielded Multi-conductor (NEC CM and CEC CM FT1)

22 AWG										
5522UG† new	4	solid	C-500 C-1000	C-152 C-305	6.0 12.0	2.7 5.4	.015	.38	.122	3.10
5520UG new	2	solid	C-500 ♦ C-1000	C-152 C-305	3.5 7.0	1.6 3.2	.015	.38	.106	2.69

† 5522UG available in White only.

♦ 5520UG C-500 ft. put-up available in Gray or White only.

Color Code Chart — Paired (5662UG)

Pair No.	Color Combinations
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green

Color Code Chart (5626UG)

Cond. No.	Color
1	Yellow
2	Blue
3	Black
4	Orange
5	Red
6	Green
7	White
8	Purple

Color Code Chart (5624UG)

Cond. No.	Color
1	Blue
2	Black
3	Orange
4	Red
5	Green
6	White

Color Code Chart (5522UG, 5520UG)

Cond. No.	Color
1	Black
2	Red
3	White
4	Green

BELDEN

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

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

Communication and Control CablePro Audio and Intercom Systems
Unshielded, Plenum-Rated**Unshielded,
Pairs or Multi-conductor**
CMP FT6 Rated**Product Description**24 AWG solid bare copper conductors,
FEP insulation, Dark Gray Flamarrest® jacket
with rip cord.

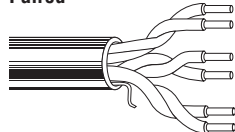
Color Code: See Charts below.

Specifications

Conductor	Bare Copper
Insulation	FEP
Insulation Thickness	.007" (.178mm)
Jacket	Flamarrest
Nominal Capacitance	15 pF/ft.
Approvals	
NEC	CMP
CEC	CMP FT6
Voltage Rating	300V

Applications

- Nurse Call Systems
- Commercial Sound Systems
- Annunciators
- Voice Systems
- Paging

Paired**Multi-conductor**

Part No.	No. of Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Plenum-rated, Unshielded, Pairs (NEC CMP and CEC CMP FT4, FT6)**24 AWG, Cat. 5e**

6662UG new	6	solid	1000	304.8	23.0	10.4	—	—	.165	4.19
	(3/pr)									

Plenum-rated, Unshielded, Multi-conductor (NEC CMP and CEC CMP FT6)**24 AWG**

6626UG new	8	solid	1000	304.8	28.0	12.70	.019	.483	.072	1.83
									x	x
									.310	7.87
6624UG new	6	solid	1000	304.8	21.0	9.53	.019	.483	.072	1.83
									x	x
									.246	6.25

Color Code Chart

(6662UG)

Pair No.	Color Combinations
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green

Color Code Chart

(6626UG)

Cond. No.	Color
1	Yellow
2	Blue
3	Black
4	Orange
5	Red
6	Green
7	White
8	Purple

Color Code Chart

(6624UG)

Cond. No.	Color
1	Blue
2	Black
3	Orange
4	Red
5	Green
6	White

Communication and Control Cable

Pro Audio and Intercom Systems

Overall Shielded, Plenum-Rated



Overall Shielded Pairs

CMP FT6 Rated

Product Description

Bare copper conductors, FEP insulation, twisted pairs cabled with a Beldfoil® shield tape (foil side out) and drain wire. Natural Flamarrest® jacket.

Color Code: Black & Red and Black & White pairs.

Specifications

Conductor	Bare Copper
Insulation	FEP
Insulation Thickness	.0060" (.152mm)
Shield	Beldfoil
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Pro Audio Systems
- Intercom/PA Systems
- Security Systems



Part No.	No. of Pairs	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Overall Shielded Pairs (NEC CMP and CEC CMP FT6)

24 AWG										
6641FC	2	7	U-500	U-152	8.0	3.6	.015	.38	.164	4.17

Communication and Control Cable

Pro Audio and Intercom Systems
Individually Shielded, Plenum-Rated



Individually Shielded Twisted Pairs

CMP FT6 Rated

Product Description

Bare copper conductors, FEP insulation (per table). Conductors twisted into pairs and individually shielded with Beldfoil® tape (aluminum side facing in) and a drain wire, multiple pairs cabled together, Gray Fluorocopolymer (22 AWG) or Natural Flamarrest® (18 AWG) jacket, rip cord. Sequential footage marking every two feet.

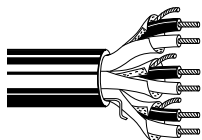
Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	FEP
Insulation Thickness	.010" (.254mm)
Shield	Beldfoil
Jacket	
22 AWG	Gray Fluorocopolymer
18 AWG	Natural Flamarrest
Nominal Capacitance	
22 AWG	27.5 pF/ft.
18 AWG	44 pF/ft.
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls
- Analog Multi-pair Snakes



Part No.	No. of Pairs	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Individually Shielded Twisted Pairs (NEC CMP and CEC CMP FT6)

22 AWG										
6541PA	2	7	500 U-1000 1000	152 U-305 305	13.5 26.0 27.0	6.1 11.8 12.3	.015	.38	.214	5.44
6542PA	3	7	1000	305	36.0	16.3	.015	.38	.228	5.79
6543PA	4	7	1000	305	45.0	20.4	.015	.38	.252	6.40
6545PA	6	7	1000	305	60.0	27.2	.015	.38	.300	7.62
6546PA	8	7	1000	305	85.0	38.6	.017	.42	.332	8.43
6548PA	12	7	1000	305	125.0	56.8	.017	.42	.408	10.36
6549PA	16	7	1000	305	162.0	73.5	.017	.42	.457	11.61
18 AWG										
6341PC	2	7	500 U-1000 1000	152 U-305 305	26.5 47.0 49.0	12.0 21.3 22.2	.017	.42	.281	7.14
6342PC	3	7	500 1000	152 305	32.0 64.0	14.5 29.0	.017	.42	.300	7.62
6343PC	4	7	1000	305	83.0	37.7	.017	.42	.332	8.43
6345PC	6	7	500 1000	152 305	66.5 132.0	30.2 59.9	.019	.48	.402	10.21

Color Code Chart

Pair No.	Color Combination	Pair No.	Color Combination	Pair No.	Color Combination
1	Black & Red	6	Black & Brown	11	Red & Yellow
2	Black & White	7	Black & Orange	12	Red & Brown
3	Black & Green	8	Red & White	13	Red & Orange
4	Black & Blue	9	Red & Green	14	Green & White
5	Black & Yellow	10	Red & Blue	15	Green & Blue
				16	Green & Yellow

Thermostat & Control Cable

Commercial Applications
Shielded



Overall Shielded Twisted Pairs

CMR/CMG FT4 Rated

Product Description

Tinned copper conductors, Datalene® insulation. Conductors twisted into pairs, overall Beldfoil® shield (100% coverage), tinned copper drain wire, overall Brown PVC jacket. Sequential footage marking every two feet.

Color Code: Black & White, Green & Red.

Specifications

Conductor	Bare Copper
Insulation	Datalene
Shield	Beldfoil
Jacket	PVC
Approvals	
NEC	CMR
CEC	CMG FT4
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Thermostat and control cable

Stranded Conductor



Solid Conductor



Part No.	No. of Pairs	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Overall Shielded Twisted Pairs (NEC CMR and CEC CMG FT4)

24 AWG										
5660FT	1	solid	1000	305	11.0	5.0	.015	.38	.138	3.50
5661PT	2	solid	1000	305	18.0	8.2	.015	.38	.165	4.19
22 AWG										
5540FT	1	7	1000	305	15.0	6.8	.015	.38	.172	4.37
5541PT	2	7	1000	305	25.0	11.3	.015	.38	.202	5.13
18 AWG										
5340FT	1	7	1000	305	34.0	15.4	.015	.38	.260	6.60
5341PT	2	7	1000	305	58.0	26.3	.015	.38	.308	7.82

Thermostat & Control Cable

Commercial Applications
Shielded, Plenum-Rated



Overall Shielded Twisted Pairs

CMP FT6 Rated

Product Description

Tinned copper conductors, Foam Fluorinated Ethylene Propylene (FFEP) insulation. Conductors twisted into pairs, overall Beldfoil® shield (100% coverage), tinned copper drain wire, overall Brown Flamarrest® jacket. Sequential footage marking every two feet.

Color Code: Black & White, Green & Red.

Specifications

Conductor	Bare Copper
Insulation	FFEP
Shield	Beldfoil
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Thermostat and control cable

Stranded Conductor



Solid Conductor



Part No.	No. of Pairs	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm

Overall Shielded Twisted Pairs (NEC CMP and CEC CMP FT6)

24 AWG										
6660FT	1	solid	1000	305	11.0	5.0	.015	.38	.128	3.25
6661PT	2	solid	1000	305	19.0	8.6	.015	.38	.155	3.94
22 AWG										
6540FT	1	7	1000	305	32.0	6.8	.015	.38	.162	4.12
6541PT	2	7	1000	305	28.0	12.7	.015	.38	.192	4.88
18 AWG										
6340FT	1	7	1000	305	32.0	6.8	.015	.38	.260	6.60
6341PT	2	7	1000	305	60.0	27.2	.015	.38	.280	7.11