


**Unshielded**

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


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


**22 AWG** Stranded (7x30) Tinned Copper Conductors • Conductors Cabled (continued)

**PVC Insulation • Chrome PVC Jacket**

UL AWM Style 2576 (150V 80°C) 	<b>8457</b>	NEC:	12	See Chart 1 (Tech Info Section)	100	30.5	5.6	2.5	.010	.25	.032	.81	.272	6.91
		CMG:			U-500	U-152.4	25.5	11.6						
		CEC:			500	152.4	26.0	11.8						
		CMG FT4			U-1000	U-304.8	50.0	22.7						
					1000	304.8	52.0	23.6						
	<b>8458</b>	NEC:	15	See Chart 2R (Tech Info Section)	100	30.5	7.3	3.3	.010	.25	.040	1.02	.315	8.00
		CMG:			500	152.4	35.5	16.1						
		CEC:			1000	304.8	72.0	32.7						
		CMG FT4												
	<b>9431</b>	NEC:	20	See Chart 2R (Tech Info Section)	100	30.5	9.1	4.1	.010	.25	.040	1.02	.345	8.76
		CMG:			500	152.4	48.5	22.0						
		CEC:			1000	304.8	87.0	39.5						
		CMG FT4												
	<b>8459</b>	NEC:	25	See Chart 2R (Tech Info Section)	100	30.5	11.1	5.0	.010	.25	.040	1.02	.387	9.83
		CMG:			500	152.4	55.0	25.0						
		CEC:			1000	304.8	109.0	49.5						
		CMG FT4												
	<b>9432</b>	NEC:	30	See Chart 2R (Tech Info Section)	100	30.5	12.5	5.7	.010	.25	.040	1.02	.400	10.16
		CMG:			500	152.4	62.5	28.4						
		CEC:			1000	304.8	124.0	56.3						
		CMG FT4												
	<b>9433</b>	NEC:	40	See Chart 2R (Tech Info Section)	100	30.5	16.6	7.5	.010	.25	.040	1.02	.455	11.56
		CMG:			500	152.4	83.0	37.7						
		CEC:			1000	304.8	161.0	73.1						
		CMG FT4												
	<b>9434</b>	NEC:	50	See Chart 2R (Tech Info Section)	500	152.4	100.5	45.7	.010	.25	.045	1.14	.500	12.70
		CMG:			1000	304.8	206.0	93.5						
		CEC:												
		CMG FT4												


**Plenum • FEP Insulation • Red FEP Jacket**


300V RMS, Non-conduit 	<b>88442*</b>	NEC:	2	Black, Red	100	30.5	2.3	1.0	.006	.15	.012	.30	.102	2.59
		CMP:			500 <sup>†</sup>	152.4	5.5	2.5						
		CEC:			1000 <sup>†</sup>	304.8	8.0	3.7						
		CMP FT6												

300V RMS, Non-conduit 	<b>88444</b>	NEC:	4	Black, White, Red, Green	100	30.5	2.9	1.3	.006	.15	.010	.25	.121	3.07
		CMP:			500 <sup>†</sup>	152.4	9.0	4.1						
		CEC:			1000 <sup>†</sup>	304.8	15.0	6.8						
		CMP FT6												

Suitable for Outdoor and Direct Burial applications.

**Plenum • FEP Insulation • Natural Flamarrest® Jacket**

300V RMS, Non-conduit 	<b>82442*</b>	NEC:	2	Black, Red	U-1000 <sup>†</sup>	U-304.8	9.0	4.1	.006	.15	.015	.38	.113	2.87
		CMP:			1000 <sup>†</sup>	304.8	8.0	3.7						
		CEC:												
		CMP FT6												

300V RMS, Non-conduit 	<b>82444</b>	NEC:	4	Black, White, Red, Green	U-500 <sup>†</sup>	U-152.4	9.0	4.1	.006	.15	.015	.38	.134	3.40
		CMP:			U-1000 <sup>†</sup>	U-304.8	16.0	7.3						
		CEC:			1000 <sup>†</sup>	304.8	15.0	6.8						
		CMP FT6												

\* Twisted Pair

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

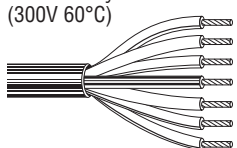
# Unshielded

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


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

### 18 AWG Stranded (19x30) Tinned Copper Conductors • Conductors Cabled (continued)

#### PVC Insulation • Chrome PVC Jacket


	<b>8619</b>	UL AWM Style 2598 (300V 60°C)	NEC:	19	See	100	30.5	20.3	9.2	.017	.43	.045	1.14	.490	12.45	
		CMG		Chart 2R	500		152.4	101.0	45.9							
		CEC:		(Tech Info Section)	1000		304.8	198.0	90.0							
	<b>9626</b>		NEC:	25	See	100	30.5	29.1	13.2	.017	.43	.060	1.52	.612	15.54	
		CMG		Chart 2R	500		152.4	139.5	63.3							
		CEC:		(Tech Info Section)	1000		304.8	277.0	125.8							

#### Plenum • FEP Insulation • Red FEP Jacket

	<b>88489</b>	300V RMS	NEC:	4	Black,	500 <sup>†</sup>	152.4	14.5	6.6	.007	.18	.009	.23	.161	4.09	
		CMP		White,	1000 <sup>†</sup>		304.8	29.0	13.2							
		CEC:		Red, Green												


Suitable for Outdoor and Direct Burial applications.

#### Plenum • FEP Insulation • Natural Flamarrest® Jacket

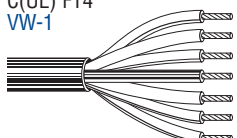
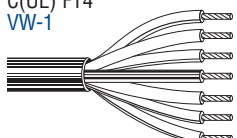
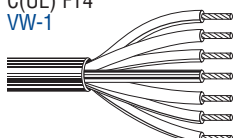
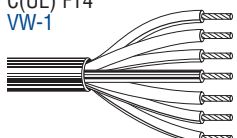
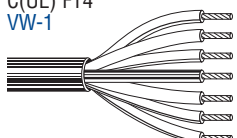
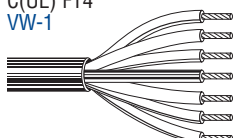
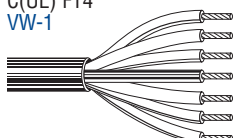
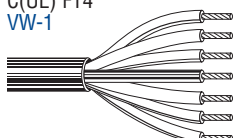
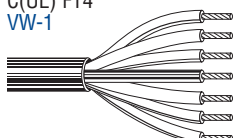
	<b>82489</b>	300V RMS	NEC:	4	Black,	U-1000 <sup>†</sup>	U-304.8	31.0	14.1	.007	.18	.014	.36	.170	4.32	
		CMP		White,	1000 <sup>†</sup>		304.8	29.0	13.2							
		CEC:		Red, Green												

### 16 AWG Stranded (19x29) Tinned Copper Conductors • Conductors Cabled

#### PVC Insulation • Cabled Wire (No Jacket)

	<b>9498</b>	UL AWM Style 1007 (300V 80°C) VW-1	—	3	Orange, Black, Orange w/ Black Stripe	1000	304.8	42.0	19.1	.027	.69	—	—	.243	6.17
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#### PVC Insulation • Chrome PVC Jacket

	<b>8620</b>	600V RMS 80°C C(UL) FT4 VW-1	—	4	See Chart 2 (Tech Info Section)	100	30.5	8.9	4.0	.031	.79	.042	1.07	.376	9.55	
						500	152.4	44.0	20.0							
						1000	304.8	88.0	40.0							
	<b>9620</b>		—	5	See Chart 2 (Tech Info Section)	100	30.5	11.0	5.0	.031	.79	.042	1.07	.411	10.44	
						500	152.4	53.5	24.3							
						1000	304.8	109.0	49.5							
	<b>8621</b>		—	7	See Chart 2R (Tech Info Section)	100	30.5	13.2	6.0	.031	.79	.045	1.14	.458	11.63	
						500	152.4	73.5	33.4							
						1000	304.8	143.0	65.0							
	<b>9721</b>		—	8	See Chart 2R (Tech Info Section)	100	30.5	27.3	12.4	.031	.79	.045	1.14	.496	12.60	
						500	152.4	136.5	62.0							
						1000	304.8	269.0	122.1							
	<b>9621</b>		—	9	See Chart 2R (Tech Info Section)	100	30.5	17.0	7.8	.031	.79	.045	1.14	.533	13.54	
						500	152.4	94.0	42.7							
						1000	304.8	181.0	82.2							
	<b>8622</b>		—	12	See Chart 2R (Tech Info Section)	100	30.5	27.0	12.3	.031	.79	.060	1.52	.627	15.93	
						500	152.4	126.5	57.4							
						1000	304.8	251.0	114.0							
	<b>8623</b>		—	15	See Chart 2R (Tech Info Section)	100	30.5	32.5	14.8	.031	.79	.060	1.52	.694	17.63	
						500	152.4	155.5	70.6							
						1000	304.8	314.0	142.6							
	<b>8624</b>		—	19	See Chart 2R (Tech Info Section)	100	30.5	36.8	16.7	.031	.79	.065	1.65	.740	18.80	
						500	152.4	178.5	81.0							
						1000	304.8	361.0	164.0							
	<b>9622</b>		—	25	See Chart 2R (Tech Info Section)	100	30.5	49.0	22.2	.031	.79	.065	1.65	.879	22.33	
						500	152.4	236.0	107.1							
						1000	304.8	480.0	217.9							

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



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

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


**Overall Beldfoil® Shield**

Audio, Control and Instrumentation Cables


Plenum-Rated and Non-Plenum

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

**18 AWG** Stranded (16x30) TC Conductors • Conductors Cabled • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire**Polyethylene Insulation • Chrome PVC Jacket**

 Shorting Fold	UL AWM Style 2093 (300V 60°C)	<b>8770</b>	NEC: CM	3	Black, Red,	U-500	U-152.4	20.0	9.1	.018	.46	.033	.84	.246	6.25	24	79	48	157
			CEC: CM		Clear	500	152.4	20.5	9.3										
						U-1000	U-304.8	38.0	17.2										
						1000	304.8	40.0	18.2										


For Plenum version of 8770,  
see 8770.**18 AWG** Stranded (19x30) TC Conductors • Conductors Cabled • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire**Semi-rigid PVC Insulation • Chrome PVC Jacket**

 Z-Fold®	UL AWM Style 2464 (300V 80°C)	<b>9418</b>	NEC: CMG	4	Red, Green,	100	30.5	5.6	2.6	.010	.25	.035	.89	.245	6.22	70	230	120	394
			CEC: CMG FT4		Black, White	U-500	U-152.4	18.0	8.2										
						500	152.4	24.5	11.1										
						U-1000	U-304.8	35.0	16.0										

For Plenum versions of 9418,  
see 89418 or 82418.**Plenum • FEP Insulation • Red FEP Jacket**


	(-70°C to +200°C)	<b>88770</b>	NEC: CMP	3	Black, White,	500	152.4	16.0	7.3	.007	.18	.014	.36	.161	4.09	54	177	96	315
			CEC: CMP FT6		Red	1000	304.8	32.0	14.6										

Suitable for Outdoor and Direct Burial applications. Chemical Resistance: Gasoline and Oil.


	(-70°C to +200°C)	<b>89418</b>	NEC: CMP	4	Black, White,	100	30.5	5.5	2.5	.007	.18	.014	.36	.177	4.50	30	98	57	187
			CEC: CMP FT6		Red,	500†	152.4	18.0	8.2										
					Green	1000†	304.8	36.0	16.4										

Suitable for Outdoor and Direct Burial applications. Chemical Resistance: Gasoline and Oil.

**Plenum • FEP Insulation • Natural Flamarrest® Jacket**

	(-70°C to +200°C)	<b>82418</b>	NEC: CMP	4	Black, White,	U-1000▲	U-304.8	36.0	16.4	.007	.18	.014	.36	.176	4.47	30	98	63	207
			CEC: CMP FT6		Red,	1000†	304.8	38.0	17.2										
					Green														

**16 AWG** Stranded (19x29) TC Conductors • Conductors Cabled • Overall Beldfoil Shield (100% Coverage) • 18 AWG Stranded TC Drain Wire**Polyethylene Insulation • Chrome PVC Jacket**

 Z-Fold®	UL AWM Style 2107 (300V 60°C)	<b>8618</b>	NEC: CL3	3	Black, Red, Clear	U-500	U-152.4	31.0	14.1	.031	.79	.031	.79	.327	8.3	26	85	50	164
						500	152.4	32.5	14.8										
						1000	304.8	66.0	30.1										

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.

‡ Final put-up may vary -10% to +20%. May contain 2 pieces. Min. length 1500 ft.

▲ Final put-up may vary 0 to -10%.


**Plenum-Rated**

Unshielded

Audio, Control and Instrumentation Cables


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

**22 AWG** Stranded (7x30) Tinned Copper Conductors • Conductors Cabled**Plenum • FEP Insulation • Red FEP Jacket**


	300V RMS	<b>88444</b>	NEC:	4	Black,	100	30.5	2.9	1.3	.006	.15	.010	.25	.121	3.07
			CMP		White,	500 <sup>†</sup>	152.4	9.0	4.1						
			CEC:		Red,	1000 <sup>†</sup>	304.8	15.0	6.8						
			CMP FT6		Green										

Suitable for Outdoor and Direct Burial applications.

**Plenum • FEP Insulation • Natural Flamarrest® Jacket**


	300V RMS	<b>82444</b>	NEC:	4	Black,	U-500 <sup>†</sup>	U-152.4	9.0	4.1	.006	.15	.015	.38	.134	3.40
			CMP		White,	U-1000 <sup>†</sup>	U-304.8	16.0	7.3						
			CEC:		Red,	1000 <sup>†</sup>	304.8	15.0	6.8						
			CMP FT6		Green										

**22 AWG** Stranded (7x30) Tinned Copper Conductors • Twisted Pairs**Plenum • FEP Insulation • Red FEP Jacket**


	300V RMS	<b>88442</b>	NEC:	2	Black,	100	30.5	2.3	1.0	.006	.15	.012	.30	.102	2.59
			CMP		Red	500 <sup>†</sup>	152.4	5.5	2.5						
			CEC:			1000 <sup>†</sup>	304.8	8.0	3.7						
			CMP FT6												

Suitable for Outdoor and Direct Burial applications.

**Plenum • FEP Insulation • Natural Flamarrest Jacket**


	300V RMS	<b>82442</b>	NEC:	2	Black,	U-1000 <sup>†</sup>	U-304.8	9.0	4.1	.006	.15	.015	.38	.113	2.87
			CMP		Red	1000 <sup>†</sup>	304.8	8.0	3.7						
			CEC:												
			CMP FT6												

**18 AWG** Stranded (19x30) Tinned Copper Conductors • Conductors Cabled**Plenum • FEP Insulation • Red FEP Jacket**

	300V RMS	<b>88489</b>	NEC:	4	Black,	500 <sup>†</sup>	152.4	14.5	6.6	.007	.18	.009	.23	.161	4.09
			CMP		White,	1000 <sup>†</sup>	304.8	29.0	13.2						
			CEC:		Red,										
			CMP FT6		Green										

Suitable for Outdoor and Direct Burial applications.

**Plenum • FEP Insulation • Natural Flamarrest Jacket**


	300V RMS	<b>82489</b>	NEC:	4	Black,	U-1000 <sup>†</sup>	U-304.8	31.0	14.1	.007	.18	.014	.36	.170	4.32
			CMP		White,	1000 <sup>†</sup>	304.8	29.0	13.2						
			CEC:		Red,										
			CMP FT6		Green										

<sup>†</sup>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 Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
<b>18 AWG Stranded (19x30) TC Conductors • Conductors Cabled • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire</b>																		
<b>Plenum • FEP Insulation • Red FEP Jacket</b>																		
300V RMS 	<b>88770</b>	NEC:	3	Black, White, Red	500 <sup>†</sup>	152.4	16.0	7.3	.007	.18	.014	.36	.161	4.09	54	177	96	315
		CMP CEC: CMP FT6			1000 <sup>†</sup>	304.8	32.0	14.6										
	<b>89418</b>	NEC:	4	Black, White, Red, Green	100	30.5	5.5	2.5	.007	.18	.014	.36	.177	4.50	30	98	57	187
		CMP CEC: CMP FT6			500 <sup>†</sup>	152.4	18.0	8.2										

Suitable for Outdoor and Direct Burial applications.

<b>Plenum • FEP Insulation • Natural Flamarrest® Jacket</b>																		
300V RMS 	<b>82418</b>	NEC:	4	Black, White, Red, Green	U-1000 <sup>††</sup>	U-304.8	36.0	16.4	.007	.18	.014	.36	.176	4.47	30	98	63	207
		CMP CEC: CMP FT6			1000 <sup>†</sup>	304.8	38.0	17.3										

Suitable for Outdoor applications.

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.

††Length may vary 0 to -10%.