

UnshieldedAudio, Control and Instrumentation Cables
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 Solid Bare Copper Conductors • Conductors Cabled**Polyethylene Insulation • Rose Gray PVC Jacket**

	8795	NEC: CM CEC: CM	2	Red, Green	U-500	U-152.4	10.0	4.5	.018	.46	.022	.56	.168	4.27
					U-1000	U-304.8	19.0	8.6						
					1000	304.8	17.0	7.8						
	8794	NEC: CM	3	Green, Red, Yellow	U-1000	U-304.8	22.0	10.0	.018	.46	.022	.56	.178	4.52
					1000	304.8	21.0	9.6						
	9794	NEC: MP, CM	4	Green, Red, Yellow, Black	U-500	U-152.4	14.0	6.4	.018	.46	.025	.64	.200	5.08
					U-1000	U-304.8	26.0	11.8						
					1000	304.8	25.0	11.4						
	1242A	NEC: CM CEC: CM	4	Green, Red, Yellow, Black	U-1000	U-304.8	16.0	7.2	.018	.46	.025	.64	.154	3.91

22 AWG Stranded (7x30) Tinned Copper Conductors • Conductors Cabled**PVC Insulation • Chrome PVC Jacket**

	8442*	NEC: CMG CEC: CMG FT4	2	Black, Red	100	30.5	2.4	1.1	.015	.38	.025	.64	.170	4.32
					U-500	U-152.4	8.0	3.7						
					500	152.4	7.5	3.4						
					U-1000	U-304.8	15.0	6.8						
					1000	304.8	15.0	6.8						
	8443	NEC: CMG CEC: CMG FT4	3	Black, Red, Green	100	30.5	2.7	1.2	.010	.25	.032	.81	.172	4.37
					U-500	U-152.4	9.5	4.3						
					500	152.4	9.5	4.3						
					U-1000	U-304.8	18.0	8.2						
					1000	304.8	18.0	8.2						
	8444	NEC: CMG CEC: CMG FT4	4	See Chart 1 (Tech Info Section)	100	30.5	3.1	1.4	.010	.25	.032	.81	.185	4.70
					U-500	U-152.4	11.5	5.2						
					500	152.4	11.5	5.2						
					U-1000	U-304.8	22.0	10.0						
					1000	304.8	23.0	10.5						
	8445	NEC: CMG CEC: CMG FT4	5	See Chart 1 (Tech Info Section)	100	30.5	3.5	1.6	.010	.25	.032	.81	.194	4.93
					U-500	U-152.4	13.5	6.1						
					500	152.4	13.5	6.1						
					U-1000	U-304.8	25.0	11.4						
					1000	304.8	26.0	11.8						
	9430	NEC: CMG CEC: CMG FT4	7	See Chart 1 (Tech Info Section)	U-500	U-152.4	17.0	7.7	.010	.25	.032	.81	.214	5.44
					500	152.4	17.0	7.7						
					U-1000	U-304.8	32.0	14.5						
					1000	304.8	34.0	15.9						
	9421	NEC: CMG CEC: CMG FT4	8	See Chart 1 (Tech Info Section)	100	30.5	4.2	1.9	.010	.25	.032	.81	.229	5.82
					U-500	U-152.4	19.0	8.7						
					500	152.4	18.5	8.4						
					U-1000	U-304.8	36.0	16.3						
					1000	304.8	38.0	17.2						
	9423	NEC: CMG CEC: CMG FT4	9	See Chart 1 (Tech Info Section)	100	30.5	4.7	2.1	.010	.25	.032	.81	.244	6.20
					U-500	U-152.4	21.0	9.6						
					500	152.4	21.5	9.8						
					U-1000	U-304.8	41.0	18.6						
					1000	304.8	43.0	19.5						
	8456	NEC: CMG CEC: CMG FT4	10	See Chart 1 (Tech Info Section)	100	30.5	5.0	2.3	.010	.25	.032	.81	.264	6.71
					U-500	U-152.4	22.5	10.2						
					500	152.4	23.0	10.5						
					U-1000	U-304.8	44.0	20.0						
					1000	304.8	46.0	20.9						

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

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

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														
	8457	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						
	8458	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												
	9431	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												
	8459	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												
	9432	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												
	9433	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												
	9434	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														
	88442*	NEC:	2	Black, Red	100	30.5	2.3	1.0	.006	.15	.012	.30	.102	2.59
		CMP			500 [†]	152.4	5.5	2.5						
		CEC:			1000 [†]	304.8	8.0	3.7						
		CMP FT6												
	88444	NEC:	4	Black, White, Red, Green	100	30.5	2.9	1.3	.006	.15	.010	.25	.121	3.07
		CMP			500 [†]	152.4	9.0	4.1						
		CEC:			1000 [†]	304.8	15.0	6.8						
		CMP FT6												

Suitable for Outdoor and Direct Burial applications.

Plenum • FEP Insulation • Natural Flamarrest® Jacket														
	82442*	NEC:	2	Black, Red	U-1000 [†]	U-304.8	9.0	4.1	.006	.15	.015	.38	.113	2.87
		CMP			1000 [†]	304.8	8.0	3.7						
		CEC:												
		CMP FT6												
	82444	NEC:	4	Black, White, Red, Green	U-500 [†]	U-152.4	9.0	4.1	.006	.15	.015	.38	.134	3.40
		CMP			U-1000 [†]	U-304.8	16.0	7.3						
		CEC:			1000 [†]	304.8	15.0	6.8						
		CMP FT6												

* Twisted Pair

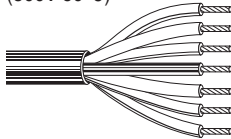
[†] Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.

Unshielded

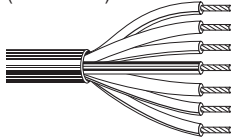
Audio, Control and Instrumentation Cables
Non-Plenum

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

20 AWG Stranded (7x28) Tinned Copper Conductors • Conductors Cabled**PVC Insulation • Chrome PVC Jacket**

UL AWM Style 2464 (300V 80°C) 	9444	NEC:	4	See Chart 1 (Tech Info Section)	100	30.5	4.0	1.8	.013	.33	.032	.81	.217	5.51
		CMG			U-500	U-152.4	16.5	7.5						
		CEC:			500	152.4	16.5	7.5						
		CMG FT4			U-1000	U-304.8	32.0	14.5						
					1000	304.8	33.0	15.0						
	9445	NEC:	5	See Chart 1 (Tech Info Section)	100	30.5	4.4	2.1	.013	.33	.032	.81	.239	6.07
		CMG			U-500	U-152.4	20.0	9.1						
		CEC:			500	152.4	19.5	8.9						
		CMG FT4			U-1000	U-304.8	38.0	17.2						
					1000	304.8	40.0	18.2						
	9439	NEC:	7	See Chart 1 (Tech Info Section)	100	30.5	5.7	2.6	.013	.33	.032	.81	.260	6.60
		CMG			U-500	U-152.4	26.0	11.9						
		CEC:			500	152.4	27.0	12.3						
		CMG FT4			U-1000	U-304.8	51.0	23.1						
					1000	304.8	53.0	24.1						
	9455	NEC:	9	See Chart 1 (Tech Info Section)	100	30.5	7.1	3.2	.013	.33	.035	.89	.317	8.05
		CMG			500	152.4	35.0	15.9						
		CEC:			1000	304.8	67.0	30.4						
		CMG FT4												
	9457	NEC:	12	See Chart 1 (Tech Info Section)	100	30.5	9.2	4.2	.013	.33	.035	.89	.338	8.58
		CMG			500	152.4	45.0	20.4						
		CEC:			1000	304.8	88.0	40.0						
		CMG FT4												
	9458	NEC:	15	See Chart 2R (Tech Info Section)	100	30.5	12.6	5.7	.013	.33	.040	1.02	.389	9.88
		CMG			500	152.4	60.5	27.5						
		CEC:			1000	304.8	118.0	53.6						
		CMG FT4												

18 AWG Stranded (19x30) Tinned Copper Conductors • Conductors Cabled**PVC Insulation • Chrome PVC Jacket**

UL AWM Style 2598 (300V 60°C) 	8489	NEC:	4	See Chart 1 (Tech Info Section)	100	30.5	5.1	2.3	.017	.43	.032	.81	.257	6.53
		CMG			250	76.2	12.0	5.4						
		CEC:			U-500	U-152.4	23.5	10.7						
		CMG FT4			500	152.4	24.0	10.9						
					U-1000	U-304.8	46.0	20.9						
	8465	NEC:	5	See Chart 1 (Tech Info Section)	100	30.5	6.4	2.9	.017	.43	.033	.84	.282	7.16
		CMG			U-500	U-152.4	29.5	13.5						
		CEC:			500	152.4	30.0	13.6						
		CMG FT4			U-1000	U-304.8	58.0	26.3						
					1000	304.8	60.0	27.4						
	8467	NEC:	7	See Chart 1 (Tech Info Section)	100	30.5	8.3	3.8	.017	.43	.037	.94	.314	7.98
		CMG			250	76.2	20.0	9.1						
		CEC:			500	152.4	40.5	18.4						
		CMG FT4			1000	304.8	79.0	35.9						
	8469	NEC:	9	See Chart 1 (Tech Info Section)	100	30.5	10.5	4.8	.017	.43	.037	.94	.364	9.25
		CMG			250	76.2	26.0	11.8						
		CEC:			500	152.4	51.5	23.4						
		CMG FT4			1000	304.8	105.0	47.7						
	8466	NEC:	12	See Chart 2R (Tech Info Section)	100	30.5	13.2	6.0	.017	.43	.040	1.02	.412	10.46
		CMG			250	76.2	32.5	14.8						
		CEC:			500	152.4	66.0	30.0						
		CMG FT4			1000	304.8	131.0	59.5						
	8468	NEC:	15	See Chart 2R (Tech Info Section)	100	30.5	17.9	8.1	.017	.43	.045	1.14	.500	12.70
		CMG			500	152.4	89.5	40.6						
		CEC:			1000	304.8	175.0	79.5						
		CMG FT4												

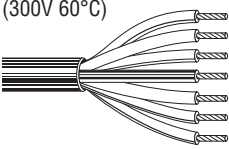
For Plenum versions of 8489,
see 88489 or 82489.

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**

 UL AWM Style 2598 (300V 60°C)	8619	NEC:	19	See Chart 2R (Tech Info Section)	100	30.5	20.3	9.2	.017	.43	.045	1.14	.490	12.45
		CMG			500	152.4	101.0	45.9						
		CEC: CMG FT4			1000	304.8	198.0	90.0						
	9626	NEC:	25	See Chart 2R (Tech Info Section)	100	30.5	29.1	13.2	.017	.43	.060	1.52	.612	15.54
		CMG			500	152.4	139.5	63.3						
		CEC: CMG FT4			1000	304.8	277.0	125.8						

Plenum • FEP Insulation • Red FEP Jacket

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

Suitable for Outdoor and Direct Burial applications.

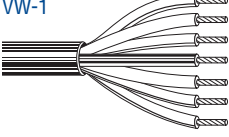
Plenum • FEP Insulation • Natural Flamarrest® Jacket

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

16 AWG Stranded (19x29) Tinned Copper Conductors • Conductors Cabled**PVC Insulation • Cabled Wire (No Jacket)**

 UL AWM Style 1007 (300V 80°C) VW-1	9498	—	3	Orange, Black, Orange w/ Black Stripe	1000	304.8	42.0	19.1	.027	.69	—	—	.243	6.17

PVC Insulation • Chrome PVC Jacket

 600V RMS 80°C C(UL) FT4 VW-1	8620	—	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						
	9620	—	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						
	8621	—	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						
	9721	—	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						
	9621	—	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						
	8622	—	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						
	8623	—	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						
	8624	—	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						
	9622	—	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						

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

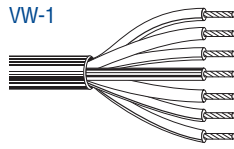
Unshielded

Audio, Control, Communication and Instrumentation Cables

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

14 AWG Stranded (19x27) Tinned Copper Conductors • Conductors Cabled**PVC Insulation • Chrome PVC Jacket**

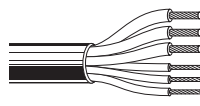
	8627	—	4	See Chart 2 (Tech Info Section)	100	30.5	13.8	6.3	.045	1.14	.045	1.14	.490	12.45
					500	152.4	76.5	34.7						
					1000	304.8	149.0	67.6						
	9623	—	5	See Chart 2 (Tech Info Section)	100	30.5	18.1	8.3	.045	1.14	.060	1.52	.573	14.55
					500	152.4	99.5	45.1						
					1000	304.8	197.0	89.4						
	8628	—	7	See Chart 2 (Tech Info Section)	100	30.5	23.9	11.0	.045	1.14	.060	1.52	.623	15.82
					500	152.4	128.0	58.1						
					1000	304.8	255.0	115.8						
	8629	—	12	See Chart 2 (Tech Info Section)	100	30.5	44.6	20.2	.045	1.14	.065	1.65	.824	20.93
					500	152.4	222.0	100.8						
					1000	304.8	454.0	206.1						

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

22 and 18 AWG Stranded (7x30 and 16x30) Tinned Copper Conductors • Conductors Cabled**PVC Insulation • Chrome PVC Jacket**

	8446	NEC: CMG CEC: CMG FT4	6: 4 Unshld 22 (7x30) 2 Unshld 18 (16x30)	Red, Green, Brown, Blue Black, White	100	30.5	4.7	2.1	.010	.25	.032	.81	.236	5.99	30	98	54	177
					U-500	U-152.4	21.5	9.8										
					500	152.4	21.5	9.8										
					U-1000	U-304.8	41.0	18.6	.019	.48								
					1000	304.8	43.0	19.5										

20 and 16 AWG Stranded (7x28 and 19x28) Tinned Copper Conductors • Conductors Cabled**PVC Insulation • Chrome PVC Jacket**

	9686	NEC: CM	6: 3 Unshld 20 (7x28) 3 Unshld 16 (19x28)	Green, Blue, Purple Black, Red, Yellow	U-500	U-152.4	32.5	14.7	.012	.30	.032	.81	.295	7.49	20	66	36	118
									.013	.33					30	98	54	177

*Capacitance between conductors.

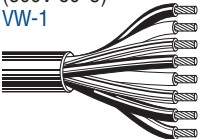
**Nominal capacitance conductor to conductor and shield.

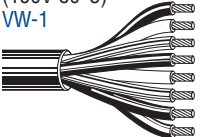
Unshielded

Antenna Rotor Control Cables, Security/Audio Systems
and Duplex Primary Wire

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

Antenna Rotor Cables Stranded Tinned Copper Conductors • Conductors Cabled**PVC Insulation • Chrome PVC Jacket**

UL AWM Style 2464 (300V 80°C) VW-1 	9405	NEC: CM	8	Black, White	2@16 (19x28)	500	152.4	47.0	21.3	.019	.48	.032	.81	.345	8.76
				Brown, Red, Yellow, Blue, Orange, Green	6@18 (16x30)	1000	304.8	92.0	41.8	.018	.46				

UL AWM Style 2576 (150V 80°C) VW-1 	8448	NEC: CMG CEC: CMG FT4	8	Black, White	2@18 (16x30)	U-500	U-152.4	25.0	11.4	.019	.48	.032	.81	.259	6.58
				Red, Green, Brown, Blue, Yellow, Orange	6@22 (7x30)	500	152.4	25.5	11.6	.010	.25				
						U-1000	U-304.8	49.0	22.2						
						1000	304.8	50.0	22.7						

Security/Audio/Power Limited Controls Cable Stranded Bare Copper Conductors • Conductors Parallel**PVC Insulation • Chrome PVC Jacket**

200V RMS 75°C VW-1 	8484	—	4	Black, Green, Red, White	20 (7x28)	U-500	U-152.4	12.5	5.7	—	—	—	—	.177	4.50
						500	152.4	12.5	5.7						
						U-1000	U-304.8	24.0	10.9						
						1000	304.8	25.0	11.4						

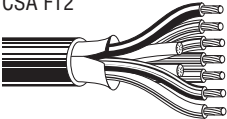
Duplex Primary Wire Stranded Bare Copper Conductors • Conductors Parallel**PVC Insulation • Chrome PVC Jacket**

300V RMS 75°C VW-1 	8677	—	2	Brown, Red	16 (19x29)	500	152.4	18.5	8.4	.024	.61	.022	.56	.149	3.78
														x	x
														.254	6.45
	8675	—	2	Brown, Red	14 (19x27)	500	152.4	23.5	10.7	.023	.58	.023	.58	.168	4.27
														x	x
														.290	7.37
	8673	—	2	Brown, Red	12 (19x25)	500	152.4	32.5	14.8	.026	.66	.022	.56	.186	4.72
														x	x
														.328	8.33
	8678	—	2	Brown, Red	10 (19x23)	500	152.4	51.0	23.1	.031	.79	.025	.64	.225	5.72
														x	x
														.400	10.16

Unshielded

Power and Control Cables

Rubber and Oil-Resistant Rubber SO 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
16 AWG Stranded (65x34) Bare Copper Conductors • Conductors Cabled with Fillers • Paper Tape Separator														
EPDM Rubber Insulation • Black Oil-resistant Rubber Jacket														
600V RMS 60°C CSA FT2 	9420	UL:	5	See Chart 2 (Tech Info Section)	100	30.5	13.3	6.0	.033	.838	.084	2.13	.506	12.85
		SO			500	152.4	73.5	33.4						
		CSA: SO			1000	304.8	143.0	65.0						
	9422	UL:	7	See Chart 2 (Tech Info Section)	100	30.5	18.5	8.4	.033	.838	.083	2.11	.581	14.76
		SO			500	152.4	101.0	45.9						
		CSA: SO			1000	304.8	201.0	91.3						
	9424	UL:	9	See Chart 2 (Tech Info Section)	100	30.5	29.6	13.4	.033	.838	.100	2.54	.720*	18.29
		SO			500	152.4	150.5	68.3						
		CSA: SO			1000	304.8	288.0	130.8						
	9425	UL:	12	See Chart 2 (Tech Info Section)	100	30.5	32.6	14.8	.033	.838	.100	2.54	.720	18.29
		SO			500	152.4	165.5	75.1						
		CSA: SO			1000	304.8	318.0	144.4						
	9427	UL:	16	See Chart 2 (Tech Info Section)	100	30.5	39.5	17.9	.033	.838	.100	2.54	.787	19.99
		SO			1000	304.8	428.0	194.3						
		CSA: SO												
	9429	UL:	20	See Chart 2 (Tech Info Section)	100	30.5	48.4	22.0	.033	.838	.100	2.54	.862	21.89
		SO			500	152.4	233.0	105.8						
		CSA: SO												

EPDM = Ethylene Propylene Diene Monomer

*Fillers added in the center

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables
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

22 AWG Stranded (7x30) TC Conductors • Conductors Cabled • Overall Beldfoil Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire

Polypropylene Insulation • Brown PVC Jacket

300V RMS	9770	NEC: CM	3	Black, Red,	U-500	U-152.4	9.0	4.1	.008	.20	.020	.51	.145	3.68	32	105	60	197
		CEC: CM		White	500	152.4	9.0	4.1										
					U-1000	U-304.8	18.0	8.2										
					1000	304.8	17.0	7.7										



Z-Fold®

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 2093 (300V 60°C)	8771	NEC: CM	3	Black, Red,	250	76.2	6.3	2.8	.016	.41	.033	.84	.199	5.05	23	75	41	134
		CEC: CM		Clear	500	152.4	12.0	5.5										
					U-500	U-152.4	12.0	5.5										
					U-1000	U-304.8	23.0	10.4										
					1000	304.8	24.0	10.9										
					10000†	3048.0	240.0	109.1										

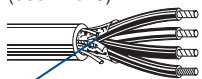


Shorting Fold

22 AWG Stranded (19x34) TC Conductors • Conductors Cabled • Overall Beldfoil Shield (100% Coverage) • 23 and 25 AWG Drain Wires††

Polyethylene Insulation • White PVC Jacket

UL AWM Style 2094 (300V 75°C)	8729	NEC: CM, CL3	4	Black, Red,	U-500	U-152.4	23.0	10.5	.016	.41	.051	1.30	.257	6.53	22	72	42	138
		CEC: CM		Green, Clear	500	152.4	21.5	9.8										
					U-1000	U-304.8	45.0	20.4										
					1000	304.8	47.0	21.4										



Z-Fold®

†† 8729 has three 23 AWG solid and one 25 AWG stranded tinned copper-coated steel drain wires.

20 AWG Stranded (7x28) TC Conductors • Conductors Cabled • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 2093 (300V 60°C)	8772	NEC: CM	3	Black, Red,	U-500	U-152.4	16.0	7.3	.016	.41	.033	.84	.218	5.54	27	89	51	167
		CEC: CM		Clear	500	152.4	16.0	7.3										
					U-1000	U-304.8	31.0	14.1										
					1000	304.8	32.0	14.5										



Z-Fold®

TC = Tinned Copper

*Capacitance between conductors.

**Nominal capacitance conductor to conductor and shield.

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

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**

UL AWM Style 2093 (300V 60°C)	8770	NEC: CM CEC: CM	3	Black, Red, Clear	U-500 500 U-1000 1000 10000††	U-152.4 152.4 U-304.8 304.8 3048.0	20.0 20.5 38.0 40.0 430.0	9.1 9.3 17.2 18.2 195.5	.018 .46	.033	.84	.246	6.25	24	79	48	157
----------------------------------	-------------	--------------------------	---	-------------------------	---	--	---------------------------------------	-------------------------------------	-------------	------	-----	------	------	----	----	----	-----



Shorting Fold

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**

UL AWM Style 2464 (300V 80°C)	9418	NEC: CMG CEC: CMG FT4	4	Red, Green, Black, White	100 U-500 500 U-1000 1000 10000††	30.5 U-152.4 152.4 U-304.8 304.8 3048.0	5.6 18.0 24.5 35.0 52.0 510.0	2.6 8.2 11.1 16.0 23.7 231.3	.010 .25	.035	.89	.245	6.22	70	230	120	394
----------------------------------	-------------	--------------------------------	---	-----------------------------------	--	--	--	---	-------------	------	-----	------	------	----	-----	-----	-----



Z-Fold®

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

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



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

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



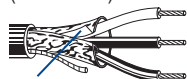
Suitable for Outdoor and Direct Burial applications. Chemical Resistance: Gasoline and Oil.

Plenum • FEP Insulation • Natural Flamarrest® Jacket

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

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

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



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.

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

▲ Final put-up may vary 0 to -10%.

Overall Braid and Special Shielding

Audio, Control and Instrumentation Cables

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

30 AWG Stranded (7x38) TC Conductors • Conductors Cabled around Textile Strength Member • Paper Separator • TC Braid Shield (95% Coverage)

Polypropylene Insulation • Chrome PVC Jacket

200V RMS 105°C	8643	—	3	Black, Red, White	100 250	30.5 76.2	1.1 3.0	.5 1.4	.006 .15	.014 .36	.096 2.44	25 82	43 141
----------------	-------------	---	---	-------------------------	------------	--------------	------------	-----------	-------------	-------------	--------------	----------	-----------



Conductors cabled around textile strength member.

22 AWG Stranded (7x30) Tinned Copper Conductors • Conductors Cabled • Tinned Copper Braid Shield (70% Coverage)

PVC Insulation • Chrome PVC Jacket

UL AWM Style 2095 (300V 80°C)	8735	NEC: CMG CEC: CMG FT4	3	Black, Red, White	500 U-1000 1000	152.4 U-304.8 304.8	14.0 27.0 27.0	6.4 12.3 12.3	.015 .38	.025 .64	.202 5.13	34 112	60 197
----------------------------------	-------------	--------------------------------	---	-------------------------	-----------------------	---------------------------	----------------------	---------------------	-------------	-------------	--------------	-----------	-----------



20 AWG Stranded (7x28) Tinned Copper Conductors • Tinned Copper Braid Shield (85% Coverage)

PVC Insulation • Chrome PVC Jacket

UL AWM Style 2464 (300V 80°C)	9260	NEC: CMG CEC: CMG FT4	6	See Chart 2 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.3 35.5 69.0	3.3 16.1 31.4	.016 .41	.032 .81	.305 7.75	26 85	50 164
	9261	NEC: CMG CEC: CMG FT4	12	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	12.0 60.0 119.0	5.5 27.3 54.1	.016 .41	.040 1.02	.396 10.06	26 85	57 187



Combination Shielded/Unshielded • 22 AWG Stranded (7x30) TC Conductors • Conductors Cabled • TC Braid Shield (80% Coverage)[†]

PVC Insulation • Chrome PVC Jacket

UL AWM Style 2785 (300V 80°C)	8734	NEC: CM	3: 1 Shld 2 Unshld	Black, Red, White	U-1000 1000	U-304.8 304.8	23.0 21.0	10.4 9.6	.015 .38	.025 .64	.194 4.93	—	—	79 259
----------------------------------	-------------	------------	--------------------------	-------------------------	----------------	------------------	--------------	-------------	-------------	-------------	--------------	---	---	-----------



[†]Tinned copper braid shield over one conductor (80% coverage).

Overall Spiral Shield • 18 AWG Stranded (7x26) TC Conductors • Conductors Cabled • Tinned Copper Spiral Wrap (80% Coverage)

PVC Insulation • Chrome PVC Jacket

450V RMS 80°C VW-1	8791	—	3	Black, Red, White	500 U-1000 1000	152.4 U-304.8 304.8	23.0 44.0 46.0	10.4 20.0 20.9	.022 .56	.028 .71	.260 6.60	47 154	84 276
-----------------------	-------------	---	---	-------------------------	-----------------------	---------------------------	----------------------	----------------------	-------------	-------------	--------------	-----------	-----------



TC = Tinned Copper

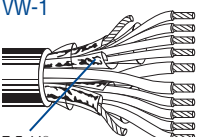
*Capacitance between conductors.

**Nominal capacitance conductor to conductor and shield.

Overall Shield

Special Audio, Communication 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
24 and 22 AWG Stranded (7x32 and 7x30) Tinned Copper Conductors • Cabled in Quads [†] • 24 AWG Stranded Tinned Copper Drain Wire																		
PVC Insulation (22 AWG) / Polyethylene Insulation (24 AWG) • Chrome PVC Jacket																		
350V RMS 80°C VW-1	8787	—	10: 4 Shld 24 (7x32)	Gray, White, Blue, Green	U-500 500	U-152.4 152.4	24.0 22.5	10.9 10.3	.012 .012	.30 .30	.030 .030	.76 .76	.290 .290	7.37 7.37	—	—	—	—
									.012 .30									
									.015 .38									



Z-Fold®

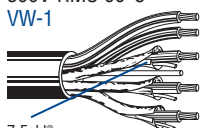
[†] Each quad wrapped in transparent polyester tape. Red Beldfoil® shield over one quad, Green Beldfoil shield over the other. (2) quads and (2) unshielded conductors cabled.

24 and 22 AWG Stranded (7x32 and 7x30) Tinned Copper Conductors • (4) Conductors Cabled^{††} • 22 AWG Stranded TC Drain Wire

PVC Insulation • Chrome PVC Jacket																		
300V 90°C NEC Article 800	8786	NEC: CM CEC: CM	6: 4 Shld 24 (7x32)	Black, Green, Red, Yellow	U-500 500	U-152.4 152.4	17.0 16.5	7.8 7.5	.015 .015	.38 .38	.028 .028	.71 .71	.236 .236	5.99 5.99	—	—	—	—
																		
			2 Unshld 22 (7x30)	Blue, White														

^{††} (4) conductors cabled under 100% Beldfoil shield; (2) conductors unshielded.

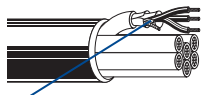
22 AWG Stranded (7x30) TC Conductors • (3) Conductors Cabled and Separately Beldfoil® Shielded (100% Coverage) with Drain Wires[▲]

PVC Insulation • Chrome PVC Jacket																		
300V RMS 60°C VW-1	8788	NEC: CM	5: 3 Shld	Black, Red, Green	500	152.4	15.5	7.1	.015	.38	.028	.71	.236	5.99	34	112	—	—
																		
			2 Unshld*	Yellow, Blue														

* (2) Unshielded conductors cabled around a non-hygroscopic filler.

[▲] Drain wire for each conductor is tinned cadmium bronze ribbon under 100% Beldfoil shield coverage.

22 AWG Triads Stranded (7x30) Tinned Copper Conductors • Cabled in Triads[•] • 22 AWG Stranded Tinned Copper Drain Wire

Polypropylene Insulation • Overall Chrome PVC Jacket																		
300V RMS 80°C VW-1	9772	—	36 (12 triads)	Black, Red, Green, Triads w/Color Coded Jackets	500	152.4	139.0	63.2	.008	.20	.060	1.52	.725	18.42	34	112	67	220
																		

[•] Each triad shielded with 100% Beldfoil shield and drain wire, encased in a .020" white PVC jacket with color coded stripes.

TC = Tinned Copper

* Capacitance between conductors.

** Nominal capacitance conductor to conductor and shield.

 Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

High-Temperature

Unshielded

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

20 AWG Stranded (7x28) Tinned Copper Conductors • Conductors Cabled

Tefzel® Insulation • Clear Tefzel Jacket

300V RMS 150°C VW-1	85220	—	2	Black, Red	100 1000 [†]	30.5 304.8	3.8 23.0	1.7 10.4	.015 .38	.020 .51	.185 4.70
------------------------	-------	---	---	---------------	--------------------------	---------------	-------------	-------------	-------------	-------------	--------------



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

Tefzel Insulation • Clear Tefzel Jacket

300V RMS 150°C VW-1	85221	—	2	Black, Red	500 [†] 1000 [†]	152.4 304.8	15.0 34.0	6.8 15.4	.015 .38	.019 .48	.211 5.36
------------------------	-------	---	---	---------------	---------------------------------------	----------------	--------------	-------------	-------------	-------------	--------------



85102	—	2	See Chart 2 (Tech Info Section)	500 [†] 1000 [†]	152.4 304.8	14.0 32.0	6.4 14.5	.015 .38	.019 .48	.211 5.36
-------	---	---	--	---------------------------------------	----------------	--------------	-------------	-------------	-------------	--------------

85103	—	3	See Chart 2 (Tech Info Section)	500 [†] 1000 [†]	152.4 304.8	20.0 43.0	9.1 19.5	.015 .38	.019 .48	.223 5.66
-------	---	---	--	---------------------------------------	----------------	--------------	-------------	-------------	-------------	--------------

85105	—	5	See Chart 2 (Tech Info Section)	500 [†] 1000 [†]	152.4 304.8	35.0 68.0	15.9 30.9	.015 .38	.019 .48	.268 6.81
-------	---	---	--	---------------------------------------	----------------	--------------	--------------	-------------	-------------	--------------

85107	—	7	See Chart 2 (Tech Info Section)	100 1000 [†]	30.5 304.8	11.5 105.0	5.2 47.7	.015 .38	.024 .61	.303 7.70
-------	---	---	--	--------------------------	---------------	---------------	-------------	-------------	-------------	--------------

85109	—	9	See Chart 2 (Tech Info Section)	500 [†] 1000 [†]	152.4 304.8	59.0 119.0	26.8 54.0	.015 .38	.024 .61	.354 8.99
-------	---	---	--	---------------------------------------	----------------	---------------	--------------	-------------	-------------	--------------

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

Tefzel insulated and jacketed cables are particularly well suited for harsh environments due to outstanding mechanical toughness of the material, as well as its high-temperature and radiation resistant characteristics.

Tefzel cables are used extensively in chemical plants, nuclear plants, and fossil fuel power plants. Typical applications are data recording, communication, telemetry, and monitoring pressure or material flow.

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

High-Temperature

Overall Beldfoil® Shield

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

22 AWG Stranded (7x30) TC Conductors • Conductors Cabled • Special Beldfoil Shield (100% Coverage) • 22 AWG (7x30) Stranded TC Drain Wire**FEP Insulation • Red Silicone Rubber Jacket • Noise Reducing Tape**

Jacket working voltage 2000V DC, shield to ground VW-1	83394	AWM 4516	2	Black, White	100 500 [†]	30.5 152.4	3.6 14.5	1.6 6.6	.015 500 [†]	.38 152.4	.030 13.0	.76 5.9	.199	5.05	22	72	40	131
--	--------------	-------------	---	-----------------	-------------------------	---------------	-------------	------------	--------------------------	--------------	--------------	------------	------	------	----	----	----	-----



70°C (min.) to 150°C (max.) operating temperature.

Jacket working voltage 2000V DC, shield to ground VW-1	83395	AWM 4516	3	Black, Red, White	100 500 [†]	30.5 152.4	3.9 14.0	1.8 6.4	.015 500 [†]	.38 152.4	.031 16.0	.79 7.3	.208	5.28	22	72	40	131
--	--------------	-------------	---	-------------------------	-------------------------	---------------	-------------	------------	--------------------------	--------------	--------------	------------	------	------	----	----	----	-----



70°C (min.) to 150°C (max.) operating temperature.

20 AWG Stranded (7x28) TC Conductors • Twisted Pair • Special Beldfoil Shield (100% Coverage) • 20 AWG (7x28) Stranded TC Drain Wire**FEP Insulation • Yellow Silicone Rubber Jacket • Noise Reducing Tape**

Jacket working voltage 2000V DC, shield to ground VW-1	83393	AWM 4516	2	Black, Red	100 ^{††} 500 [†]	30.5 152.4	4.2 18.5	1.9 8.4	.020 500 [†]	.51 152.4	.030 17.0	.76 7.8	.242	6.15	22	72	40	131
--	--------------	-------------	---	---------------	---------------------------------------	---------------	-------------	------------	--------------------------	--------------	--------------	------------	------	------	----	----	----	-----



70°C (min.) to 150°C (max.) operating temperature.

20 AWG Stranded (7x28) TC Conductors • Conductors Cabled • Overall Beldfoil Shield (100% Coverage) • Drain Wire**Tefzel® Insulation • Clear Tefzel Jacket**

300V RMS 150°C VW-1	85230	—	2	Black, Red	500 [†] 1000 [†]	152.4 304.8	12.5 29.0	5.7 13.2	.015 500 [†]	.38 304.8	.020 30.0	.51 13.6	.182	4.62	31	102	59	194
------------------------	--------------	---	---	---------------	---------------------------------------	----------------	--------------	-------------	--------------------------	--------------	--------------	-------------	------	------	----	-----	----	-----



300V RMS 150°C VW-1	85240	—	3	Black, Red, Green	100 1000 [†]	30.5 304.8	4.6 30.0	2.1 13.6	.015 500 [†]	.38 304.8	.020 30.0	.51 13.6	.193	4.90	27	87	48	157
------------------------	--------------	---	---	-------------------------	--------------------------	---------------	-------------	-------------	--------------------------	--------------	--------------	-------------	------	------	----	----	----	-----

**16 AWG** Stranded (19x29) TC Conductors • Conductors Cabled • Overall Beldfoil Shield (100% Coverage) • Drain Wire**Tefzel Insulation • Clear Tefzel Jacket**

300V RMS 150°C VW-1	85231	—	2	Black, Red	100 500 [†] 1000 [†]	30.5 152.4 304.8	5.6 17.0 38.0	2.5 7.8 17.3	.020 500 [†] 1000 [†]	.51 152.4 304.8	.020 17.0 43.0	.51 13.0 29.0	.210	5.33	44	144	79	259
------------------------	--------------	---	---	---------------	--	------------------------	---------------------	--------------------	---	-----------------------	----------------------	---------------------	------	------	----	-----	----	-----



300V RMS 150°C VW-1	85241	—	3	Black, Red, Green	500 [†] 1000 [†]	152.4 304.8	22.5 49.0	10.3 22.3	.020 500 [†] 1000 [†]	.51 152.4 304.8	.020 17.0 43.0	.51 13.0 29.0	.223	5.66	34	112	61	201
------------------------	--------------	---	---	-------------------------	---------------------------------------	----------------	--------------	--------------	---	-----------------------	----------------------	---------------------	------	------	----	-----	----	-----



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.

††100 ft. put-up one piece, exact length.

Tefzel and Kapton are DuPont trademarks.

BELDEN

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

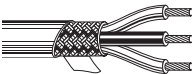
High-Temperature

Overall Braid Shield — Control and Instrumentation Cables

MIL-W-16878/4 (Type E) — Individual Conductors

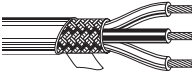
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

26 AWG Stranded (7x34) Silver-plated Copper Conductors • Cabled and Color-coded • Silver-plated Copper Braid Shield (85% Coverage)**Extruded TFE Teflon® Insulation • White TFE Teflon Tape-wrapped Jacket**

600V RMS -65°C to 200°C VW-1 	83303E	—	1	White	500 ^{††} 1000 [▲]	152.4 304.8	3.5 6.0	1.6 2.7	.010	.25	.010	.25	.076	1.93	—	—	44.6	146
	83317E	—	2	White, Black	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	1.4 6.5 14.0	0.6 3.0 6.4	.010	.25	.011	.28	.121	3.07	20.8	68	35.5	116
	83332E	—	3	White, Black, Red	100 [†] 1000 [▲]	30.5 304.8	1.7 17.0	0.8 7.7	.010	.25	.011	.28	.127	3.23	18.8	62	31.4	103
	83347E	—	4	White, Black, Red, Green	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	1.9 10.0 19.0	0.9 4.5 8.6	.010	.25	.011	.28	.137	3.48	18.5	61	30.5	100

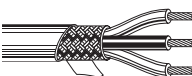
MIL-Spec MIL-W-16878/4 (Type E).

24 AWG Stranded (19x36) Silver-plated Copper Conductors • Cabled and Color-coded • Silver-plated Copper Braid Shield (85% Coverage)**Extruded TFE Teflon Insulation • White TFE Teflon Tape-wrapped Jacket**

600V RMS -65°C to 200°C VW-1 	83304E	—	1	White	500 ^{††} 1000 [▲]	152.4 304.8	4.5 8.0	2.0 3.6	.010	.25	.010	.25	.085	2.16	—	—	46	151
	83318E	—	2	White, Black	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	1.6 7.5 16.0	0.7 3.4 7.3	.010	.25	.011	.28	.131	3.33	26.5	87	42.4	139
	83333E	—	3	White, Black, Red	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	1.9 10.0 19.0	0.9 4.5 8.6	.010	.25	.011	.28	.137	3.48	21.9	72	36.8	121
	83348E	—	4	White, Black, Red, Green	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	2.3 12.0 23.0	1.0 5.4 10.4	.010	.25	.011	.28	.149	3.79	21.9	72	36.8	121

Complies with MIL-W-16878/4 (Type E) except stranding.

22 AWG Stranded (19x34) Silver-plated Copper Conductors • Cabled and Color-coded • Silver-plated Copper Braid Shield (85% Coverage)**Extruded TFE Teflon Insulation • White TFE Teflon Tape-wrapped Jacket**

600V RMS -65°C to 200°C VW-1 	83305E	—	1	White	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	1.1 5.0 9.0	0.5 2.3 4.1	.010	.25	.010	.25	.091	2.31	—	—	57.9	190
	83319E	—	2	White, Black	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	1.9 10.0 19.0	0.9 4.5 8.6	.010	.25	.011	.28	.143	3.63	29.9	98	49.2	161
	83334E	—	3	White, Black, Red	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	2.7 12.5 24.0	1.2 5.7 10.9	.010	.25	.011	.28	.150	3.81	27.4	90	45.7	150
	83349E	—	4	White, Black, Red, Green	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	3.1 14.5 28.0	1.4 6.6 12.7	.010	.25	.011	.28	.163	4.14	27.4	90	45.7	150

Complies with MIL-W-16878/4 (Type E) except stranding.

*Capacitance between conductors.

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

[†] 100 ft. put-up one piece, exact length.^{††} 500 ft. put-up exact, but may contain up to 3 pieces. Minimum length of any one piece is 25 ft.[▲] Spools may contain more than one piece. Length may vary ±10% from length shown.

Teflon is a DuPont trademark.

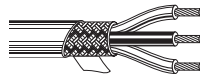
High-Temperature

Overall Braid Shield — Control and Instrumentation Cables

MIL-W-16878/4 (Type E) — Individual Conductors

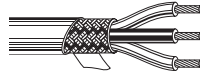
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

20 AWG Stranded (19x32) Silver-plated Copper Conductors • Cabled and Color-coded • Silver-plated Copper Braid Shield (85% Coverage)**Extruded TFE Teflon® Insulation • White TFE Teflon Tape-wrapped Jacket**

600V RMS -65°C to 200°C VW-1 	83306E	—	1	White	100 [†] 1000 [▲]	30.5 304.8	1.4 14.0	0.6 6.4	.010	.25	.010	.25	.099	2.52	—	—	69	226
	83320E	—	2	White, Black	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	2.6 12.0 23.0	1.2 5.4 10.4	.010	.25	.011	.28	.159	4.04	31.7	104	51	167
	83335E	—	3	White, Black, Red	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	3.3 15.5 30.0	1.5 7.0 13.6	.010	.25	.011	.28	.168	4.27	31.7	104	51	167
	83350E	—	4	White, Black, Red, Green	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	4.0 19.0 37.0	1.8 8.6 16.8	.010	.25	.011	.28	.183	4.65	31.7	104	51	167

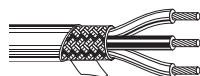
Complies with MIL-W-16878/4 (Type E) except stranding.

18 AWG Stranded (19x30) Silver-plated Copper Conductors • Cabled and Color-coded • Silver-plated Copper Braid Shield (85% Coverage)**Extruded TFE Teflon Insulation • White TFE Teflon Tape-wrapped Jacket**

600V RMS -65°C to 200°C VW-1 	83307E	—	1	White	1000 [▲]	304.8	17.0	7.7	.011	.28	.010	.25	.109	2.77	—	—	71.5	235
	83321E	—	2	White, Black	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	3.2 15.0 29.0	1.5 6.8 13.2	.011	.28	.011	.28	.179	4.55	31	102	52.8	173
	83336E	—	3	White, Black, Red	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	4.2 20.0 39.0	1.9 9.1 17.7	.011	.28	.011	.28	.189	4.80	31	102	52.8	173
	83351E	—	4	White, Black, Red, Green	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	5.2 25.0 51.0	2.4 11.3 23.1	.011	.28	.011	.28	.207	5.26	31	102	52.8	173

Complies with MIL-W-16878/4 (Type E) except stranding.

16 AWG Stranded (19x29) Silver-plated Copper Conductors • Cabled and Color-coded • Silver-plated Copper Braid Shield (85% Coverage)**Extruded TFE Teflon Insulation • White TFE Teflon Tape-wrapped Jacket**

600V RMS -65°C to 200°C VW-1 	83308E	—	1	White	500 ^{††} 1000 [▲]	152.4 304.8	9.5 20.0	4.3 9.1	.012	.31	.011	.28	.120	3.05	—	—	72.5	238
	83322E	—	2	White, Black	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	3.8 18.0 35.0	1.7 8.2 15.9	.012	.31	.011	.28	.197	5.00	36	118	60	197
	83337E	—	3	White, Black, Red	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	5.0 24.5 49.0	2.3 11.1 22.2	.012	.31	.011	.28	.209	5.31	30.7	101	53	174
	83352E	—	4	White, Black, Red, Green	100 [†] 500 ^{††} 1000 [▲]	30.5 152.4 304.8	6.2 30.5 61.0	2.8 13.8 27.7	.012	.31	.011	.28	.229	5.82	30.2	99	50.8	167

Complies with MIL-W-16878/4 (Type E) except stranding.

*Capacitance between conductors.

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

[†]100 ft. put-up one piece, exact length.^{††}500 ft. put-up exact, but may contain up to 2 pieces. Minimum length of any one piece is 25 ft.[▲]1000 ft. put-up exact, but may contain up to 6 pieces. Minimum length of any one piece is 25 ft.

Teflon is a DuPont trademark.

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

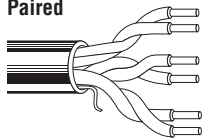
Applications (5500)

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

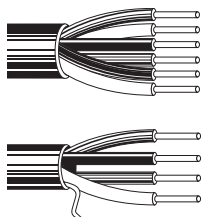
Applications (5600)

- 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.

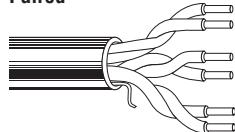
Color Code: See Charts below.

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
Shielded, Plenum-Rated



Shielded Multi-conductor

CMP FT6 Rated

Product Description

Bare copper conductors, FEP insulation, conductors cabled with a Beldfoil® shield tape (foil side out) and drain wire. Natural Flamarrest® jacket with rip cord. Sequential footage marking every two feet.

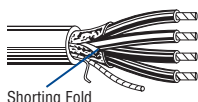
Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	FEP
Insulation Thickness	
22 AWG	.0055" (.140mm)
20 AWG	.0060" (.152mm)
18 AWG	.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 Cond.	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Shielded Multi-conductor (NEC CMP and CEC CMP FT6)										
22 AWG										
6500FC	2	7	U-1000 1000	U-305 305	11.0 5.0	5.0 11.0	.015	.38	.116	2.95
6502FC	4	7	1000	305	18.0	8.2	.015	.38	.133	3.38
20 AWG										
6400FC	2	7	U-1000	U-305	15.0	6.8	.015	.38	.133	3.38
18 AWG										
6300FC	2	7	U-1000 1000	U-305 305	23.0 10.4	10.4 22.0	.017	.42	.155	3.94
6302FC	4	7	U-1000 1000	U-305 305	34.0 15.5	15.5 36.0	.017	.42	.179	4.55

Color Code Chart

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

Access Control Banana Peel® Cable

Lock Power, Card Reader, Door Contact, REX Applications
Plenum-Rated



Composite Shielded Multi-Conductors

CMP FT6 Rated

Product Description

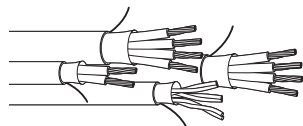
Stranded bare copper conductors, Flamarrest® insulation and jackets. No overall jacket. All cables are Beldfoil® shielded (100% coverage) with drain wire and rip cord. Cable jackets are color coded by application. Individual jacket is sequentially marked at two foot intervals.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Shield	Beldfoil
Individual Jackets	Flamarrest
Overall Jacket	None
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Power-Limited Controls
- Access Control
- Card Reader
- Lock Power
- Door Control
- REX



Individual Cable Jacket Color Coding System

Jacket Color	Print Legend	Cable Type
Orange	Card Reader	3/P, 18 or 22 AWG, Shielded
White	Door Contact	2/C, 18 or 22 AWG, Shielded
Blue	Rex/Spare	4/C, 18 or 22 AWG, Shielded
Gray	Lock Power	4/C, 16 or 18 AWG, Shielded

Part No.	Component Descriptions	Insulation Material & (Color Code)	Jacket Material & Component OD		Overall Nom. OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Composite Shielded Multi-Conductors (NEC CMP and CEC CMP FT6)

(3) Shielded Multi-Conductors • (1) Shielded Multi-Pair										
658AFS new	(1) 3-Pair 22 AWG Stranded (7x30) Bare Copper Shielded	Flamarrest (Black & Red, White & Green, Orange & Brown)	Orange Flamarrest	.420	10.67	500	152	60	27.2	
			.218	5.54			1000	304	113	51.3
	(1) 2-Cond. 22 AWG Stranded (7x30) Bare Copper Shielded	Flamarrest (Black, Red)	White Flamarrest	.131	3.33					
	(1) 4-Cond. 22 AWG Stranded (7x30) Bare Copper Shielded	Flamarrest (Black, Red, White, Green)	Blue Flamarrest	.150	3.81					
638AFS new	(1) 4-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded	Flamarrest (Black, Red, White, Green)	Gray Flamarrest	.191	4.85					
	(1) 3-Pair 18 AWG Stranded (7x26) Bare Copper Shielded	Flamarrest (Black & Red, White & Green, Orange & Brown)	Orange Flamarrest	.542	13.77	1000	305	189	85.7	
	(1) 2-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded	Flamarrest (Black, Red)	White Flamarrest	.168	4.27					
	(1) 4-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded	Flamarrest (Black, Red, White, Green)	Blue Flamarrest	.197	5.00					
638AFS new	(1) 4-Cond. 16 AWG Stranded (19x30) Bare Copper Shielded	Flamarrest (Black, Red, White, Green)	Gray Flamarrest	.224	5.69					

U.S. Patent 7,049,523

Access Control Banana Peel® Cable

Lock Power, Card Reader, Door Contact, REX Applications
Riser-Rated



Composite Shielded Multi-Conductors

CMR/CMG Rated

Product Description

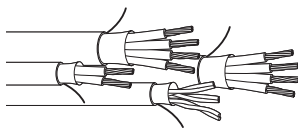
Stranded bare copper conductors, PVC or Flame-retardant PVC insulation and jackets. No overall jacket. All cables are Beldfoil® shielded (100% coverage) with drain wire and rip cord. Cable jackets are color coded by application. Individual jacket is sequentially marked at two foot intervals.

Specifications

Conductor	Bare Copper
Insulation	PVC or FR-PVC
Shield	Beldfoil
Individual Jackets	PVC or FR-PVC
Overall Jacket	None
Approvals	
NEC	CMR
CEC	CMG
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Power-Limited Controls
- Access Control
- Card Reader
- Lock Power
- Door Control
- REX



Individual Cable Jacket Color Coding System

Jacket Color	Print Legend	Cable Type
Orange	Card Reader	3/P, 18 or 22 AWG, Shielded
White	Door Contact	2/C, 18 or 22 AWG, Shielded
Blue	Rex/Spare	4/C, 18 or 22 AWG, Shielded
Gray	Lock Power	4/C, 16 or 18 AWG, Shielded

Part No.	Component Descriptions	Insulation Material & (Color Code)	Jacket Material & Component OD		Overall Nom. OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Composite Shielded Multi-Conductors (NEC CMR and CEC CMG)

(3) Shielded Multi-Conductors • (1) Shielded Multi-Pair										
558AFS new	(1) 3-Pair 22 AWG Stranded (7x30) Bare Copper Shielded	F-R PVC (Black & Red, White & Green, Orange & Brown)	Orange FR-PVC .233	11.38	500	152	59	26.5		
			5.92		1000	305	108	49.0		
	(1) 2-Cond. 22 AWG Stranded (7x30) Bare Copper Shielded	F-R PVC (Black, Red)	White FR-PVC .140	3.56						
	(1) 4-Cond. 22 AWG Stranded (7x30) Bare Copper Shielded	F-R PVC (Black, Red, White, Green)	Blue FR-PVC .161	4.09						
538AFS new	(1) 4-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded	F-R PVC (Black, Red, White, Green)	Gray FR-PVC .202	5.13						
	(1) 3-Pair 18 AWG Stranded (7x26) Bare Copper Shielded	PVC (Black & Red, White & Green, Orange & Brown)	Orange PVC .285	7.24	.516	13.11	1000	305	182	82.6
	(1) 2-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded	PVC (Black, Red)	White PVC .175	4.45						
	(1) 4-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded	PVC (Black, Red, White, Green)	Blue PVC .202	5.13						
	(1) 4-Cond. 16 AWG Stranded (19x30) Bare Copper Shielded	PVC (Black, Red, White, Green)	Gray PVC .230	5.84						

F-R = Flame-retardant

U.S. Patent 7,049,523