

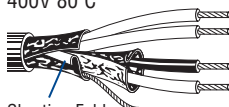
Combination Shields

Special Audio, Communication 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

25 AWG Stranded (7x33) Tinned Copper Conductors • Overall Beldfoil® Shield (100% Coverage) • 25 AWG Stranded TC Drain Wire


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

 <p>400V 80°C</p> <p>Shorting Fold</p>	8434		2	Shielded: Red & Black	100	30.5	2.1	1.0	.013	.33	.020	.51	.165	4.19	25	82	40	131				
					500	152.4	7.0	3.2														
					U-1000	U-304.8	14.0	6.4														
					1000	304.8	12.0	5.5														

Red/Black pair 100% Beldfoil shielded with drain wire.
3 copper, 4 copper-covered steel strands in each conductor.

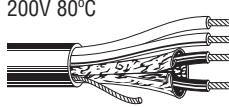
22 AWG Stranded (7x30) Tinned Copper Conductors • One Pair Beldfoil Shielded (100% Coverage) • Stranded Tinned Copper Drain Wire


PVC Insulation • Chrome PVC Jacket (Pair and Single Cabled)

 <p>300V RMS 90°C</p>	9685	NEC: CM	1.5 (1 pair + 1 single)	Shielded: Black & White	U-1000	U-304.8	24.0	10.9	.013	.33	.032	.81	.199	5.05	60	197	99	325

Meets NEC Article 800
22 AWG drain wire

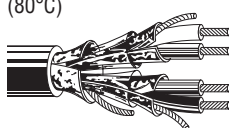
Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

 <p>200V 80°C</p> <p>24 AWG drain wire</p>	8730[†]		2	Shielded: Red & Black	U-1000	U-304.8	24.0	10.9	.008	.20	.030	.76	.205	5.21	34	112	67	220
					1000	304.8	26.0	11.8										

 <p>300V 80°C VW-1</p> <p>24 AWG drain wire</p>	8724[†]	NEC: CM CEC: CM	2	Shielded: Red & Black	U-1000	U-304.8	21.0	9.5	.008	.20	.019	.48	.165	4.19	34	112	67	220
					1000	304.8	21.0	9.5										

22 AWG Stranded (7x30) TC Conductors • Cabled in Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wires

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

 <p>UL AWM Style 2717 (80°C)</p>	8728	NEC: CM CEC: CM	2	Black & Red	U-500	U-152.4	15.5	7.0	.010	.25	.028	.71	.215	5.46	35	115	62	203				
					500	152.4	15.5	7.0														
					U-1000	U-304.8	30.0	13.6														
					1000	304.8	31.0	14.0														

Meets NEC Article 800
Each pair Beldfoil shielded with individual drain wire plus polyester film over each shield.

TC = Tinned Copper

* Capacitance between conductors.

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

† Request Technical Bulletin T/8-21 before planning high and low level circuits in the same cable.

Combination Shields

Special Audio, Communication 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

20 AWG Stranded (7x28) TC Conductors • Conductors Cabled • Beldfoil® Shield as noted (100% Coverage) • 20 or 22 AWG Stranded TC Drain Wire

Polyethylene Insulation • Chrome PVC Jacket

350V 80°C	8763	—	1.5 (1 pair + 1 single)	Shielded: Black & Red Unshielded: Clear	1000	304.8	25.0	11.4	.014	.36	.028	.71	.210	5.33	26	85	48	157
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Z-Fold®

Beldfoil shield over Red and Black pair only. Clear conductor is unshielded. 20 AWG drain wire.

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

350V 80°C	8722	NEC: 2	Shielded: Red & Black	U-500	U-152.4	18.0	8.2	.015	.38	.028	.71	.226	5.74	60	197	99	325
VW-1		CMG	Red & Black	500	152.4	18.5	8.4										
		CEC: CMG FT4	Unshielded: Green & White	U-1000	U-304.8	35.0	15.9										
				1000	304.8	36.0	16.4										

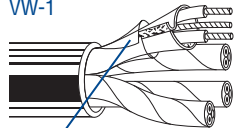


Z-Fold®

Beldfoil shield over Red and Black conductors only. 22 AWG drain wire. Request Technical Bulletin T/8-21 before planning high and low level circuits in the same cable.

Polypropylene Insulation • Chrome PVC Jacket (Cabled Around a Common Axis)

400V 105°C	8725	NEC: 4	Red & Black;	500	152.4	38.0	17.3	.015	.38	.030	.76	.345	8.76	27	89	49	161
VW-1		CM	Green & White;	1000	304.8	74.0	33.6										
		CEC: CM	White/Red & White/Black;														
			White/Green & White/Yellow														



Shorting Fold

Four groups of two conductors with drain wires, each group individually Beldfoil shielded with polyester tape wrap. 22 AWG drain wire.

20 and 18 AWG Stranded (7x28 and 16x30) TC Conductors • Beldfoil Shield (100% Coverage) over 20 AWG Pair • 22 AWG Stranded TC Drain Wire

Polyethylene Insulation • Beige PVC Jacket

UL AWM Style 2094 (300V 60°C)	9155	NEC: 2		500	152.4	22.5	10.2	.020	.51	.031	.79	.262	6.65	24	79	46	151
		CM	1 Shld Black & Red	U-1000	U-304.8	46.0	20.9										
		CEC: CM	20 (7x28) Red	1000	304.8	48.0	21.8										
			1 Unshld Green & 18 (16x30) White					.019	.48					22	72		



Z-Fold®

NEC Article 800

TC = Tinned Copper

* Capacitance between conductors.

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

Special Audio, Communication and Instrumentation Cable

Miniature Instrumentation and Low Triboelectric Noise Coax

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/100 Ft.	dB/100m

Miniature • 28 AWG Solid .013" Tinned Copper Conductor • Bare Copper Braid Shield (90% Coverage)

Polypropylene Insulation • Black PVC Jacket

105°C VW-1	8700	NEC: CMH CEC: CMH FT1	250	76.2	.8	.3	28 AWG (solid) .013" TC 66.9Ω/M' 219.5Ω/km	.023	.58	BC Braid 90% Shield Coverage 28.7Ω/M' 94.2Ω/km	.054	1.37	32	66%	55.2	181.1	1	2.5	8.2	10	7.7	25.3	50	17.2	56.4	100	24.5	80.4	200	34.8	114.2	400	50.0	164.4	700	66.0	216.5	900	75.0	246.1	1000	79.0	259.2
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Low Noise • RG-174/U Type • 26 AWG Stranded (7x34) .019" Bare Copper-covered Steel Conductor • TC Braid Shield (90% Coverage)

Polyethylene Insulation • Conductive Layer • Black PVC Jacket

60°C	9239	—	100	30.5	1.0	.5	26 AWG (7x34) .019" BCCS 97.0Ω/M' 318.3Ω/km	.044	1.12	TC Braid 90% Shield Coverage 14.0Ω/M' 45.9Ω/km	.101	2.57	50	62%	38	125	—	—	—	500	152.4	4.5	2.0	1000	304.8	8.0	3.6
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5mV peak-to-peak max.
Not recommended for RF use.

Low Noise • RG-59/U Type • 22 AWG Solid .025" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (93% Coverage)

Polyethylene Insulation • Conductive Layer • Black PVC Jacket

75°C VW-1	9224	—	U-500	U-152.4	19.5	8.9	22 AWG (solid) .025" BCCS 54.0Ω/M' 177.0Ω/km	.146	3.71	BC Braid 93% Shield Coverage 2.5Ω/M' 8.2Ω/km	.242	6.15	75	65%	22	72	—	—	—	500	152.4	12.0	5.4	1000	304.8	24.0	10.9
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5mV peak-to-peak max.
Not recommended for RF use.

Low Noise • RG-58/U Type • 22 AWG Stranded (7x30) .030" TC Conductor • Duobond® II + TC Braid Shield (95% Coverage)

Polyethylene Insulation • Conductive Layer • Black PVC Jacket

80°C VW-1	9223	—	100	30.5	3.4	1.5	22 AWG (7x30) .030" TC 10.8Ω/M' 35.4Ω/km	.112	2.85	Duobond II* + 95% TC Braid 100% Shield Coverage 4.1Ω/M' 13.5Ω/km	.195	4.95	50	56%	37	122	—	—	—	500	152.4	12.0	5.4	1000	304.8	24.0	10.9
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8mV peak-to-peak max.
Not recommended for RF use.

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

*Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).

Special Application Audio, Communication and Instrumentation Cable

Audio Connecting Cables and Dual Channel Audio 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*

25 AWG Stranded (7x33) Conductor • (3) TC, (4) TCCS • Double Beldfoil® Shield (100% Coverage) • 26 AWG Stranded TC Drain Wire

FPE Insulation • Chrome PVC Jacket

Miniature 80°C	8417	—	1	—	250	76.2	3.3	1.5	.020	.51	.026	.66	.140	3.56	29	95
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25 AWG Stranded (7x33) Conductor • (3) TC, (4) TCCS • Tinned Copper Spiral Wrapped Shield (86% Coverage)

FPE Insulation • Chrome PVC Jacket

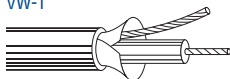
Low-Capacitance 80°C	8421	—	1	—	250	76.2	4.5	2.0	.051	1.30	.023	.58	.180	4.57	16	53
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24 AWG Uni-strand (7x32) Tinned Copper Conductor • Beldfoil Shield (100% Coverage)

Flame-retardant Polypropylene Insulation • Black PVC Jacket

UL AWM Style 1770 (300V 80°C) VV-1	9264	—	1	—	1000	304.8	14.0	6.4	.027	.69	.020	.51	.122	3.10	30	99
													x	x		
													.146	3.71		



Nominal impedance: 50 ohms.
Tear-drop, machine strippable coaxial cable.

Dual Channel • 30 AWG Stranded (7x38) TCCS Conductors • Individual Tinned Copper Spiral Wrapped Shield (85% Coverage)

FPE Insulation • Black PVC Jacket • Polarity Ribbed

Low-Capacitance 70°C	9454	—	2	—	100	30.5	3.5	1.6	.049	1.24	.020	.51	.160	4.06	12	39
													x	x	each	
													.320	8.13	channel	



Stereo connecting cable

Dual Channel • 25 AWG Stranded (7x38) Conductors • (3) TC, (4) TCCS • Individual TC Spiral Wrapped Shield (90% Coverage)

Polyethylene Insulation • Gray PVC Jacket • Polarity Rib on Red Conductor

80°C	8416	—	2	—	250	76.2	4.8	2.2	.018	.46	.020	.51	.106	2.69	36	118
													x	x	each	
													.213	5.41	channel	



For use with head sets, stereo and language labs.

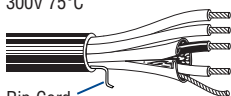
FPE = Foam Polyethylene • TC = Tinned Copper • TCCS = Tinned Copper-covered Steel

*Capacitance between conductors.

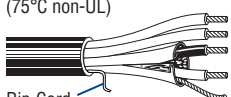
Special Application Audio, Communication and Instrumentation Cable

Multimedia Control 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 (Data), STP w/Beldfoil®, TC Drain Wire • 18 AWG (16x30) TC Conductors (Power), Unshielded Pair																		
FPE Insulation (Data) • F-R PVC Insulation (Power) • F-R PVC Jacket (Available in Black, White or Aqua)																		
300V 75°C	1502R	NEC:	1 STP	Pair:	500	152.4	20.0	9.1	Data:	.039	.99	.250	6.35	14	46	38	125	
 Rip Cord		CMR CEC: CMG FT4	+2/C	White Cond.: Red, Black	1000	304.8	44.0	20.0	.025 Power: .013	.64 .33	22 AWG Data Pair Impedance: 100Ω							

Sequential footing marking every two feet.

22 AWG (7x30) TC Conductors, STP w/Beldfoil, TC Drain Wire • 18 AWG (16x30) TC Conductors Unshielded • Polypropylene Binder Tape																	
Plenum • Foam FEP Insulation (Data) • Flamarrest® Insulation (Power) • Natural Flamarrest Jacket																	
300V 60°C (75°C non-UL)	1502P	NEC:	1 STP	Pair:	1000	304.8	31.0	14.1	Data:	.015	.381	.205	5.21	14	46	38	125
 Rip Cord		CMP CEC: CMP FT6	+2/C	Blue, White Cond.: Red, Black					.025 Power: .011	.64 .28	22 AWG Data Pair Impedance: 100Ω						

BC = Bare Copper • DCR = DC Resistance • EPDM = Ethylene Propylene Diene Monomer • FEP = Fluorinated Ethylene Propylene • FPE = Foam Polyethylene • F-R = Flame-retardant • STP = Shielded Twisted Pair • TC = Tinned Copper

*Capacitance between conductors.

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

Special Application Audio, Communication and Instrumentation Cable

Microphone/Musical Instrument 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

Mic • 20 AWG Stranded (19x32) High-conductivity TC Conductors, Cabled • Rayon Braid • TC Braid Shield (84% Coverage)

Polyethylene Insulation • Chrome PVC Jacket

Low-Impedance	8405	—	5	Black,	250	46.2	14.8	6.7	.016	.41	.035	.89	.281	7.14	23	76	40	131
UL AWM Style 2094				Clear,	500	152.4	29.5	13.4										
(300V 60°C)				Green,	1000	304.8	63.0	28.6										
VW-1				Red,														
				Blue														



Mic • 20 AWG Stranded (26x34) High-conductivity TC Conductors, Cabled • Cotton Wrap • Rayon Braid • TC Braid Shield (85% Coverage)

Rubber Insulation • Black EPDM Rubber Jacket

Low-Impedance	8425	—	5	Blue,	100	30.5	7.8	3.5	.023	.58	.031	.79	.318	8.08	30	98	55	180
600V RMS 90°C				Orange,	250	46.2	17.3	7.8										
(60°C non-UL)				Black,														
				White,														
				Brown														
	8426	—	6	(Same as 8425)	100	30.5	9.0	4.1	.023	.58	.037	.94	.342	8.69	30	98	55	180
				+ Green	250	46.2	21.0	9.5										
	8427	—	7	(Same as 8426)	100	30.5	9.8	4.5	.023	.58	.041	1.04	.355	9.02	30	98	55	180
				+ Red	250	46.2	22.3	10.1										
	8418	—	8	(Same as 8427)	100	30.5	11.0	5.0	.023	.58	.037	.94	.381	9.68	30	98	55	180
				+ Yellow	250	46.2	25.0	11.3										

EPDM = Ethylene Propylene Diene Monomer • TC = Tinned Copper

*Capacitance between conductors.

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