

Line Level Analog Audio Cable

Single-Pair Cables



Belden analog audio cables are used for connecting line level audio equipment in either permanent or semi-permanent installations. They consist of one or two individually foil-shielded, twisted pairs. Once installed, they are not intended to be moved while in service. For cables that are in motion during use, refer to the Microphone and Musical Instrument Cable section in this catalog.


Belden's analog audio cable offering consists of a selection of designs to handle a variety of audio applications. Belden part

no. 8451 utilizes a paper tape separator to facilitate easy long length jacket stripping. Part no. 9451 comes with a bonded Beldfoil® shield so that the shield and jacket strip simultaneously. A special matte PVC jacket material is employed on part no. 1508A making it a highly flexible construction. Double pair cables are available in a round construction (part no. 8723) or in a ZIP cord style (part no. 1504A) for easy separation in two-channel or stereo hook-ups.

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


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

300V RMS 60°C	1883A	NEC: CMR CEC: CMG FT4	1	Black, Red	U-1000 1000 [▲]	U-304.8 304.8	11.0 11.0	5.0 5.0	.008 .20	.020 .51	.123 3.12	31 102	58 190				
														For cross-connect use with 1408R (et al.) Snake Cables, see page 19.18.			

[▲]1000 ft. put-up available in Gray only.

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


Polyolefin Insulation • Black Matte PVC Jacket

High-Flex 300V RMS 60°C	1508A	NEC: CM CEC: CM	1	Black, Red	500 1000	152.4 304.8	6.5 11.0	2.9 5.0	.008 .20	.024 .61	.131 3.33	31 102	58 190				
														For cross-connect use with 1408R (et al.) Snake Cables, see page 19.18.			


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

24 AWG Stranded (7x32) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage)^{††} • 24 AWG Stranded TC Drain Wire


Polyethylene Insulation • Chrome PVC Jacket

Low-Capacitance UL AWM Style 2092 (300V RMS 60°C)	8641	NEC: CM CEC: CM	1	Black, Clear	100 U-500 500 U-1000 1000 2000	30.5 U-152.4 152.4 U-304.8 304.8 609.6	2.3 7.5 7.0 14.0 14.0 28.0	1.0 3.4 3.2 6.4 6.4 12.7	.016 .41	.025 .64	.168 4.27	22 72	42 138				
														For Plenum versions of 8641, see 88641 or 82641.			

Plenum • FEP Insulation • Red FEP Jacket

300V RMS 200°C, Non-conduit	88641	NEC: CMP CEC: CMP FT6	1	Black, Red	100 500 [†] 1000 [†]	30.5 152.4 304.8	2.4 6.0 9.0	1.1 2.7 4.1	.006 .15	.014 .36	.106 2.69	31 102	59 194				
																	

Plenum • FEP Insulation • Natural Flamarrest® Jacket

300V RMS 60°C, Non-conduit	82641	NEC: CMP CEC: CMP FT6	1	Black, Red	U-1000 ^{††} 1000 ^{††}	U-304.8 304.8	9.0 8.0	4.1 3.6	.006 .15	.014 .36	.106 2.69	31 102	59 194				
																	

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 shown.

^{††}Length may vary ±10% for UnReel.

Line Level Analog Audio Cable

Single-Pair 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) • 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 60°C	1266A	NEC: CM	1	Black, Red	U-1000 1000 [▲]	U-304.8 304.8	15.0 15.0	6.8 6.8	.010 .25	.020 .51	.143 3.63	30 99	54 177				
		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)

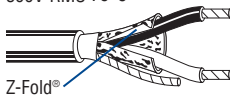
300V RMS 90°C	1503A	NEC: CM	1	Black, Red	U-1000	U-304.8	16.0	7.3	.010 .25	.020 .51	.142 3.61	53 174	97 318				
		CEC: CM															



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

Polypropylene Insulation • Paper Wrap • Gray or Black PVC Jacket

300V RMS 75°C	8451	NEC: CMR	1	Black, Red	100 [▼] U-500	30.5 U-152.4	2.3 8.5	1.1 3.9	.008 .20	.020 .51	.138 3.51	34 111	67 220				
		CEC: CMG FT4			500 U-1000	152.4 U-304.8	8.0 16.0	3.6 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 Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black)

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

For cross-connect use with 1814R (et al.) Snake Cables, see page 19.21

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

LSZH and ABS Type Approved 300V RMS 105°C	9451SB new	NEC: CMG-LS	1	Black, Red	1000	304.8	20.0	9.1	.008 .20	.032 .81	.160 4.06	35 114	67 220				
		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.

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

300V RMS 60°C	9451P new	NEC: CMP	1	Black, Red	U-1000 5000	U-304.8 1524.0	16.0 75.0	7.3 34.0	.007 .18	.017 .43	.127 3.23	35 115	67 220				
		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 Solid Tinned Copper Conductors • Twisted Pair • 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	1	Black, Red	U-500* U-1000*	U-152.4 U-304.8	7.5 14.0	3.4 6.4	.007 .18	.018 .46	.118 3.00	40 131	76 249				
		CEC: CM			1000	304.8	13.0	5.9									



*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.

FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

*Capacitance between conductors.

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

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

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Line Level Analog Audio Cable

Single-Pair Cables



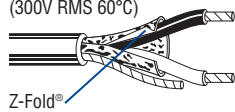
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

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

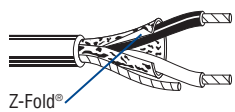
Polyethylene Insulation • Chrome PVC Jacket

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

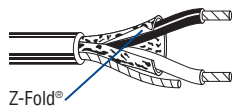
For Plenum versions of 8761, see 88761, 87761 or 82761.

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

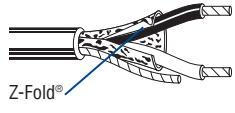
300V RMS 200°C	88761	NEC: CMP	1	Black, Red	100	30.5	2.7	1.2	.006	.15	.014	.36	.119	3.02	35	115	67	220
		CEC: CMP FT6			U-500 [▲]	U-152.4	7.5	3.4										
					500 [†]	152.4	7.5	3.4										
					U-1000 [▲]	U-304.8	15.0	6.8										
					1000 [†]	304.8	12.0	5.4										

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

300V RMS 150°C	87761	NEC: CMP	1	Black, Red	500 [†]	152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
		CEC: CMP FT6			1000 [†]	304.8	11.0	5.0										

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

300V RMS 75°C	82761	NEC: CMP	1	Black, Red	U-500 [▲]	U-152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220
		CEC: CMP FT6			U-1000 [■]	U-304.8	14.0	6.4										
					1000 [†]	304.8	11.0	5.0										

**Polyethylene Insulation • Chrome PVC Jacket**

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



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

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



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 shown.

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

▲ Length may vary ±10% for UnReel® cartons.

■ Length may vary -10% to +5% from length shown.

Line Level Analog Audio Cable

Double-Pair 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 Pairs • Individual Beldfoil® Shield (100% Coverage) • Stranded TC Common Drain Wire

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

<p>Z-Fold®</p>	300V RMS 60°C	8723	NEC: CM	2	Red/Black, Green/White	100	30.5	2.3	1.0	.008	.20	—	—	.160	4.06	35	115	62	203
			CEC: CM			U-500	U-152.4	10.5	4.8										
						500	152.4	10.0	4.5										
						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											

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)

<p>Z-Fold®</p>	LSZH and ABS Type Approved 300V RMS 60°C	8723SB <small>new</small>	NEC: CMG-LS	2	Red & Black, Green & White	1000	304.8	26.0	11.8	—	—	—	—	.196	4.98	35	115	62	203
			CEC: CMG-LS FT4 Limited Smoke																

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

<p>Z-Fold®</p>	LSZH and ABS Type Approved 300V RMS	8777SB <small>new</small>	NEC: CMG-LS	3	See Chart 3 (Tech Info Section)	1000†	304.8	39.0	17.7	.010	.25	—	—	.273	6.93	30	98	55	180
			CEC: CMG-LS FT4 Limited Smoke																

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

<p>Z-Fold®</p>	300V RMS 200°C	88723	NEC: CMP	2	Red/Black, Green/White	100†	30.5	3.4	1.5	.006	.15	—	—	.148	3.76	35	115	67	220
			CEC: CMP FT6			500†	152.4	11.0	5.0										
						1000†	304.8	19.0	8.6										

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

<p>Z-Fold®</p>	300V RMS 150°C	87723	NEC: CMP	2	Red/Black, Green/White	500†	152.4	11.0	5.0	.006	.15	—	—	.148	3.76	35	115	67	220
			CEC: CMP FT6			1000†	304.8	18.0	8.2										

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

<p>Z-Fold®</p>	300V RMS 75°C	82723	NEC: CMP	2	Red/Black, Green/White	U-500†	U-152.4	10.5	4.8	.006	.15	—	—	.153	3.89	43	141	75	246
			CEC: CMP FT6			U-1000†	U-304.8	20.0	9.1										
						1000†	304.8	19.0	8.6										
						U-2000†	U-609.6	40.0	18.1										

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 shown.

Line Level Analog Audio Cable

Single- and Double-Pair 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 (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)																		
150V RMS 60°C	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							.286	7.26		
		CEC:																
		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.

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

Polyolefin Insulation • PVC Jacket in Zip-Cord Construction (Red & Green, Red & Gray, Red & Black or Red & Purple)																		
300V RMS 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							.270	6.86		
		CEC:																
		CMG 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 <small>new</small>	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																
		CEC:																
		CMG FT6																

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

PVC Insulation • Beige PVC Jacket																		
UL AWM Style 2464 (300V RMS 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										

9154 has 22 AWG stranded tinned copper drain wire.

Polyethylene Insulation • Chrome PVC Jacket

UL AWM Style 2092 (300V RMS 60°C)	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

UL AWM Style 2092 (300V RMS 60°C)	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:																
		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.

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 RMS 80°C)	8759	NEC:	1	Black, Red	U-500	U-152.4	12.5	5.7	.016	.41	.025	.64	.199	5.05	47	154	79	259
		CMG			U-1000	U-304.8	24.0	10.9										
		CEC:			1000	304.8	25.0	11.4										
		CMG FT4																

FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

* Capacitance between conductors.

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

BELDEN

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

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Single-Pair 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

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

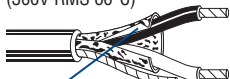
Polyethylene Insulation • Chrome PVC Jacket

Low-Capacitance UL AWM Style 2092 (300V RMS 60°C)	9460	NEC:	1	Black, Clear	U-500	U-152.4	18.5	8.4	.019	.48	.030	.76	.230	5.84	30	98	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.

Low-Capacitance UL AWM Style 2092 (300V RMS 60°C)	8760	NEC:	1	Black, Clear	250	76.2	6.8	3.1	.019	.48	.028	.71	.222	5.64	30	98	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													
					5000	1524.0	135.0	61.4													
	10000	3048.0	260.0	118.2																	



Shorting Fold

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

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 200°C	88760	NEC:	1	Black, Red	100	30.5	3.7	1.7	.007	.18	.014	.36	.153	3.89	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												



Z-Fold®

Plenum • FEP Insulation • Red Fluorocopolymer Jacket

300V RMS 150°C	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																	



Z-Fold®

Plenum • FEP Insulation • Natural Flamarrest® Jacket

300V RMS 75°C	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																



Z-Fold®

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



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 shown.

†† Spools and/or UnReel® cartons are one piece, but length may vary -0% to +10%.

Line Level Analog Audio Cable

Single-Pair 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) 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	U-304.8	44.0	20.0										
					1000	304.8	46.0	20.9										



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

Polyethylene Insulation • Chrome PVC Jacket

Low-Capacitance	8719	NEC:	1	Black,	U-500	U-152.4	24.0	10.9	.032	.81	.032	.81	.313	7.95	23	75	44	144
UL AWM Style 20253 (600V RMS 80°C)		CM, CL2		Clear	500	152.4	25.5	11.6										
		CEC: CM			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										
Shorting Fold					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

Low-Capacitance	8720	NEC:	1	Black,	U-500	U-152.4	34.0	15.4	.032	.81	.035	.89	.355	9.02	24	79	47	154
UL AWM Style 20253 (600V RMS 80°C)		CL2		Clear	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

Low-Capacitance	8718	NEC	1	Black,	U-500	U-152.4	47.5	21.6	.037	.94	.040	1.02	.400	10.16	25	82	49	161
UL AWM Style 20253 (600V RMS 80°C)		CL2		Clear	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.

[†] 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.

Analog Multi-Pair Snake Cable

High-Flex and NEC Rated Cables



Especially designed for the broadcast industry, Belden's full family of multi-pair audio "Snake" cables feature options and construction for virtually every application.

Applications

Snake cables are used to connect multiple audio channels in low-level (microphone) and high-level (line) componentry such as console board equipment for recording studios, radio television stations, post-production facilities, and sound system installations. With Belden's individually shielded and jacketed snakes, pairs can be split out of the overall jacket for any length and connectorized directly without the need for heat shrink tubing or costly and time-consuming preparation. 22 AWG and 24 AWG sizes are also ideal for punch down connector applications.

Numbered and Color Coded

Jacketed pairs are individually numbered and color coded (following the familiar resistor color code) for easy identification.

Low-Capacitance Design

Belden's 1200 Series Snake Cables feature a low-capacitance design in a flexible, high-performance construction.

New "French Braid" Shield

Belden's patented "French Braid" shield is a double spiral (double serve) bare copper shield with the two spirals tied together by one weave. This improves flex life over standard spiral shields, improves flexibility over conventional braid shields, and lowers microphonic or triboelectric noise.

The "French Braid" is easy to terminate since it is not fully woven. It also provides for lower DC loop resistance than a single spiral braid. The "French Braid" is featured on Belden's FleXsnake® Cables (1900 Series) and Quad Snake Cables (7880 Series).

How to Choose a Snake Cable

Permanent Installations

For installed jobs, where you must have an NEC rating, choose your preferred pair-count from within one of the following Belden® snake cable series:

1400R Series Page 19.19

CMR Rated
24 AWG
Individually Shielded and Jacketed Pairs

1500C Series Page 19.20

Flexible, CM Rated
24 AWG
Individually Shielded and Jacketed Pairs

1800R Series Page 19.22

CMR Rated
22 AWG
Individually Shielded and Jacketed Pairs

8769-8778/9767-9769 Series Page 19.24

CM Rated
22 AWG
Individually Shielded Pairs

80000 Series Page 19.25

CMP Rated (Plenum-Rated)
22 AWG
Individually Shielded Pairs

6540PA Series Page 19.26

CMP Rated (Plenum-Rated)
22 AWG
Individually Shielded Pairs

Temporary Installations or Field Use

For non-installed jobs, where cable flexibility is more important than NEC rating, choose your preferred pair-count from these snake cables series:

1500C Series Page 19.20

Flexible, CM Rated
24 AWG
Individually Shielded and Jacketed Pairs

1200B Series Page 19.23

Flexible, Low-Capacitance
22 AWG
Individually Shielded and Jacketed Pairs

1900A Series Page 19.21

Super-Flexible
24 AWG
Individually Shielded and Jacketed Pairs with "French Braid" Shield

7880A Series Page 19.18

Super-Flexible Star Quads
26 AWG
Individually Shielded and Jacketed Quads with "French Braid" Shield

For AES/EBU Digital Multi-Snake Cables
See Pages 19.28 -19.30

Analog Multi-Quad Snake Cable

Super-Flexible, High-Performance Cables
Individually Shielded and Jacketed Quads



Individually Shielded and Jacketed Quads

Not NEC Rated

Product Description

26 AWG* stranded (19x38) bare copper conductor. Polyethylene insulation. Quads individually shielded with bare copper "French Braid," each quad with 26 AWG tinned copper drain wire. Color-coded PVC inner jackets (see table below) with overall Matte Black PVC jacket and 20 AWG tinned copper drain wire.

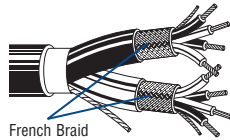
Color Code: Blue, White, Blue w/White stripe, White w/Blue stripe.

Specifications

Nominal OD — Conductor	.020" (.51mm)
Nominal OD — Insulation	.045" (1.14mm)
Inner Quad Jacket OD	.157" (3.99mm)
Nominal DCR	
Conductor	36.0 Ω/M' (11.8 Ω/km)
Shield (Inner Pair)	6.8 Ω/M' (2.23 Ω/km)
Voltage Rating	100V RMS
Temperature Rating	60°C
Nominal Impedance	40Ω
Nominal Velocity of Propagation	66%
Nominal Capacitance	
Between Conductors and Shield	39 pF/Ft. (129 pF/m)
Between Conductors in Quad Config.	57 pF/Ft. (188 pF/m)

DCR = DC Resistance

*22 AWG equivalent DCR when connected to a 3-pin XLR



French Braid

Part No.	No. of Quads	Standard Lengths		Standard Unit Weight		Nominal OD	
		Ft.	m	Lbs.	kg	Inch	mm

Super-Flexible Quads

26 AWG							
7884A	2	250	76.2	27.0	12.3	.458	11.63
		500 †	152.4	49.0	22.2		
		1000 †	304.8	98.0	44.4		
7885A	4	250	76.2	36.3	16.4	.498	12.65
		500 †	152.4	70.0	31.8		
		1000 †	304.8	136.0	61.7		
7886A	8	500 †	152.4	146.5	66.6	.782	19.86
		1000 †	304.8	314.0	142.4		
7887A	12	250	76.2	89.5	40.6	.828	21.03
		500 †	152.4	177.5	80.5		
		1000 †	304.8	365.0	165.6		
7888A	16	250	76.2	114.0	51.7	.938	23.83
		500 †	152.4	238.5	108.2		
		1000 †	304.8	468.0	212.3		
7889A	24	500 †	152.4	396.0	180.0	1.232	31.29
		1000 †	304.8	798.0	362.0		

†Length may vary -10% to +0% from length shown.

Inner Jacket Colors:

Quad No.	Jacket Color	Quad No.	Jacket Color
1	Brown	8	Gray
2	Red	9	White
3	Orange	10	Black
4	Yellow	11	Beige
5	Green	12	Pink
6	Blue	13-24	Gray (numbered)
7	Purple		

Analog Multi-Pair Snake Cable

CMR Rated Cables

Individually Shielded and Jacketed Twisted Pairs



Individually Shielded and Jacketed Pairs

NEC: CMR (CEC: CMG FT4)

Product Description

24 AWG stranded (7x30) tinned copper conductor. Polyolefin insulation. Twisted pairs individual Beldfoil® shield (100% Coverage) and have numbered and color-coded PVC jackets (see Chart 7 in Technical Information Section for colors). Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment. Overall Beldfoil shield and 18 AWG tinned copper drain wire, plus overall Black PVC jacket and nylon rip cord.

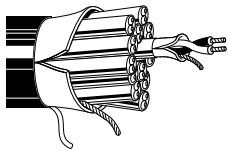
Color Code: Red, Black.

Specifications

Nominal OD — Conductor	.024" (.61mm)
Nominal OD — Insulation	.040" (1.02mm)
Inner Pair Jacket OD	.111" (2.82mm)
Approvals	
NEC	CMR
CEC	CMG FT4
Nominal DCR	
Conductor	23.3Ω/M' (76.4Ω/km)
Shield (Inner Pair)	15.9Ω/M' (52.1Ω/km)
Voltage Rating	300V RMS
Temperature Rating	75°C
Nominal Impedance	50Ω
Nominal Velocity of Propagation	66%
Nominal Capacitance	
Between Conductors	31 pF/Ft. (102 pF/m)
Between Conductor/Shield*	58 pF/Ft. (191 pF/m)

DCR = DC Resistance

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



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

CMR Rated Twisted Pairs NEC: CMR (CEC: CMG FT4)

24 AWG							
1408R	4	500	152.4	36.0	16.3	.346	8.79
		1000	304.8	73.0	33.2		
1409R	6	500	152.4	50.5	22.9	.412	10.46
		1000	304.8	100.0	45.4		
1410R	8	500	152.4	62.0	28.1	.446	11.33
		1000	304.8	122.0	55.3		
1411R	12	500	152.4	91.0	41.3	.555	14.10
		1000	304.8	175.0	79.4		
1412R	16	500	152.4	117.0	53.1	.622	15.80
		1000	304.8	232.0	105.2		
1413R	20	500	152.4	145.0	65.8	.704	17.88
		1000	304.8	293.0	132.9		
1414R	24	500	152.4	182.0	82.6	.801	20.35
		1000	304.8	374.0	169.6		
1415R	26	500	152.4	193.5	87.8	.816	20.73
		1000	304.8	397.0	180.1		
1416R	32	500	152.4	228.5	103.7	.890	22.61
		1000	304.8	465.0	210.9		

Analog Multi-Pair Snake Cable

Flexible, CM Rated Cables

Individually Shielded and Jacketed Twisted Pairs



Individually Shielded and Jacketed Pairs

NEC: CM (CEC: CM)

Product Description

24 AWG stranded (7x32) tinned copper conductor. Polyolefin insulation. Twisted pairs individual Beldfoil® shield (100% coverage) and have numbered and color-coded PVC jackets (see Chart 7 in Technical Information Section for colors). Jackets and shields are bonded so both strip simultaneously. Overall Beldfoil shield and 24 AWG tinned copper drain wire, plus overall Matte Black PVC jacket and nylon rip cord.

Color Code: Red, Black.

Specifications

Nominal OD — Conductor	.024" (.61mm)
------------------------	---------------

Nominal OD — Insulation	.040" (1.02mm)
-------------------------	----------------

Inner Pair Jacket OD	.111" (2.82mm)
----------------------	----------------

Approvals

NEC	CM
CEC	CM

Nominal DCR

Conductor	23.3Ω/M' (76.4Ω/km)
Shield (Inner Pair)	15.9Ω/M' (52.2Ω/km)

Voltage Rating	300V RMS
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Temperature Rating	75°C
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Nominal Impedance	50Ω
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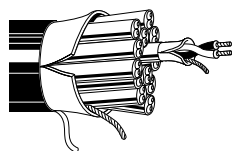
Nominal Velocity of Propagation	66%
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Nominal Capacitance

Between Conductors	31 pF/Ft. (102 pF/m)
Between Conductor/Shield*	58 pF/Ft. (191 pF/m)

DCR = DC Resistance

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



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

Flexible, CM Rated Twisted Pairs NEC: CM (CEC: CM)

24 AWG							
1509C	2	500	152.4	24.0	10.9	.301	7.65
		1000	304.8	46.0	20.9		
1510C	4	500	152.4	35.5	16.1	.352	8.94
		1000	304.8	72.0	32.6		
1511C	6	500	152.4	52.0	23.6	.418	10.61
		1000	304.8	102.0	46.3		
1512C	8	500	152.4	65.5	29.7	.452	11.48
		1000	304.8	124.0	56.3		
1513C (DT-12)	12	500	152.4	89.5	40.6	.561	14.25
		1000	304.8	178.0	80.7		
1514C	16	500	152.4	122.5	55.6	.628	15.95
		1000	304.8	241.0	109.3		
1515C	20	500	152.4	142.5	64.6	.710	19.56
		1000	304.8	288.0	130.6		
1516C	24	500	152.4	180.5	81.9	.807	20.50
		1000	304.8	371.0	168.3		
1517C	26	500	152.4	187.5	85.1	.823	20.90
		1000	304.8	385.0	174.6		
1518C	32	500	152.4	236.5	107.3	.897	22.78
		1000	304.8	481.0	218.2		
1519C	52	500	152.4	372.5	169.0	1.117	28.37
		1000	304.8	731.0	331.6		

Analog Multi-Pair Snake Cable

FleXsnake® Super-Flexible, High-Performance Cables
Individually Shielded and Jacketed Twisted Pairs



Individually Shielded and Jacketed Pairs

Not NEC Rated

Product Description

24 AWG stranded (41x40) bare copper conductor. Polyolefin insulation. Twisted pairs individually shielded with double serve "French Braid" (93% coverage) with tinned copper drain wire. Pairs have numbered and color-coded PVC jackets (see Chart 7 in Technical Information Section for colors). Overall Black PVC jacket.

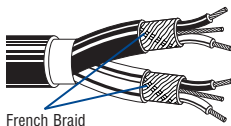
Color Code: Red, Black.

Specifications

Nominal OD — Conductor	.023" (.58mm)
Nominal OD — Insulation	.040" (1.02mm)
Inner Pair Jacket OD	.119" (3.02mm)
Nominal DCR	
Conductor	25.5Ω/M' (83.7Ω/km)
Shield (Inner Pair)	7.2Ω/M' (23.6Ω/km)
Voltage Rating	300V RMS
Temperature Rating	60°C
Nominal Impedance	60Ω
Nominal Velocity of Propagation	66%
Nominal Capacitance	
Between Conductors	26 pF/Ft. (85 pF/m)
Between Conductor/Shield*	47 pF/Ft. (154 pF/m)

DCR = DC Resistance

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



French Braid

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

FleXsnake Super-Flexible Twisted Pairs

24 AWG							
1902A	2	250	76.2	12.0	5.5	.330	8.38
		500 †	152.4	27.5	12.5		
		1000 †	304.8	53.0	24.1		
1904A	4	250	76.2	19.8	9.0	.372	8.45
		500 †	152.4	40.5	18.4		
		1000 †	304.8	78.0	35.5		
1906A	6	250	76.2	28.5	12.9	.449	11.40
		500 †	152.4	55.5	25.2		
		1000 †	304.8	111.0	50.5		
1908A	8	250	76.2	36.0	16.3	.482	12.20
		500 †	152.4	72.5	32.9		
		1000 †	304.8	141.0	64.0		
1912A	12	250	76.2	51.8	23.5	.602	15.30
		500 †	152.4	102.5	46.6		
		1000 †	304.8	202.0	91.6		
1916A	16	250	76.2	71.0	32.2	.683	17.30
		500 †	152.4	138.0	62.7		
		1000 †	304.8	279.0	126.6		
1924A	24	250	76.2	108.0	49.0	.825	21.00
		500 †	152.4	214.5	97.3		
		1000 †	304.8	437.0	198.2		
1932A	32	250	76.2	135.3	61.4	.968	24.60
		500 †	152.4	274.0	124.3		
		1000 †	304.8	539.0	244.5		

†Length may vary -10% to +0% from length shown.

Analog Multi-Pair Snake Cable

CMR Rated Cables

Individually Shielded and Jacketed Twisted Pairs



Individually Shielded and Jacketed Pairs

NEC: CMR (CEC: CMG FT4)

Product Description

22 AWG stranded (7x30) tinned copper conductor. Polyolefin insulation. Twisted pairs individual bonded Beldfoil® shield and have numbered and color-coded PVC jackets (see Chart 7 in Technical Information Section for colors). Jackets and shields are bonded so both strip simultaneously. Overall Beldfoil shield plus overall Black PVC jacket and nylon rip cord.

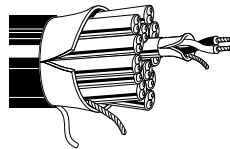
Color Code: Red, Black.

Specifications

Nominal OD — Conductor	.030" (.76mm)
Nominal OD — Insulation	.050" (1.27mm)
Drain Wire	
Individual Pairs	22 AWG
Overall: 1814R	22 AWG
Overall: 1815R – 1823R	18 AWG
Inner Pair Jacket OD	.133" (3.38mm)
Approvals	
NEC	CMR
CEC	CMG FT4
Nominal DCR	
Conductor	14.8Ω/M' (52.5Ω/km)
Shield (Inner Pair)	14.1Ω/M' (46.3Ω/km)
Voltage Rating	300V RMS
Temperature Rating	60°C
Nominal Impedance	50Ω
Nominal Velocity of Propagation	66%
Nominal Capacitance	
Between Conductors	31 pF/Ft. (102 pF/m)
Between Conductor/Shield*	56 pF/Ft. (184 pF/m)

DCR = DC Resistance

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



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

CMR Rated Twisted Pairs NEC: CMR (CEC: CMG FT4)

22 AWG							
1814R	2	500	152.4	30.0	13.6	.330	8.38
		1000	304.8	59.0	26.8		
1815R	4	500	152.4	45.0	20.4	.384	9.74
		1000	304.8	91.0	41.3		
1816R	6	500	152.4	65.0	29.5	.462	11.73
		1000	304.8	131.0	59.6		
1817R	8	500	152.4	80.0	36.3	.503	12.78
		1000	304.8	152.0	68.9		
1818R	12	500	152.4	121.0	54.9	.638	16.21
		1000	304.8	241.0	109.3		
1819R	16	500	152.4	180.0	81.6	.776	19.71
		1000	304.8	364.0	165.0		
1820R	20	500	152.4	216.0	98.0	.865	21.97
		1000	304.8	442.0	200.1		
1821R	24	500	152.4	263.5	119.5	.969	24.61
		1000	304.8	518.0	235.0		
1822R	26	500	152.4	280.5	127.2	.989	25.12
		1000	304.8	552.0	250.4		
1823R	32	500	152.4	335.5	152.2	1.072	27.23
		1000	304.8	692.0	313.9		

Length may vary -10% to +0% from length shown.

Analog Multi-Pair Snake Cable

Flexible, Low-Capacitance Cables

Individually Shielded and Jacketed Twisted Pairs



Individually Shielded and Jacketed Pairs

Not NEC Rated

Product Description

22 AWG stranded (7x30) tinned copper conductor. Datalene® insulation. Twisted pairs individual Beldfoil® shield (100% Coverage) and have numbered and color-coded PVC jackets (see Chart 7 in Technical Information Section for colors). Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment. Overall Matte Black PVC jacket and nylon rip cord.

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

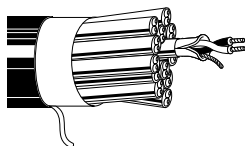
Color Code: Red, Black.

Specifications

Nominal OD — Conductor	.030" (.76mm)
Nominal OD — Insulation	.060" (1.52mm)
Inner Pair Jacket OD	.153" (3.89mm)
Nominal DCR	
Conductor	15.0Ω/M' (52.5Ω/km)
Shield (Inner Pair)	10.6Ω/M' (34.8Ω/km)
Voltage Rating	150V RMS
Temperature Rating	60°C
Nominal Impedance	70Ω
Nominal Velocity of Propagation	78%
Nominal Capacitance	
Between Conductors	19 pF/Ft. (62 pF/m)
Between Conductor/Shield*	35 pF/Ft. (115 pF/m)

DCR = DC Resistance

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



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

Flexible, Low-Capacitance Twisted Pairs

22 AWG							
1217B	4	500	152.4	53.0	24.0	.458	11.63
		1000	304.8	107.0	48.5		
1218B	6	500	152.4	79.5	36.1	.578	14.68
		1000	304.8	152.0	68.9		
1219B	9	500	152.4	115.5	52.4	.700	17.78
		1000	304.8	234.0	106.1		
1220B	12	500	152.4	141.0	70.0	.760	19.30
		1000	304.8	286.0	129.7		
1222B	16	500	152.4	188.0	85.3	.852	21.64
		1000	304.8	384.0	174.2		
1225B	20	500	152.4	240.0	108.8	.960	24.38
		1000	304.8	471.0	213.6		
1427B	24	1000	304.8	588.0	266.7	1.088	27.64
1221B	28	500	152.4	335.0	152.0	1.140	28.96
		1000	304.8	676.0	306.6		
1226B	32	500	152.4	369.0	167.4	1.183	30.05
		1000	304.8	744.0	337.5		
1428B†	52	1000	304.8	1141.0	517.5	1.496	38.00

†1428B available by special order. Please contact Belden for lead time.

Analog Multi-Pair Snake Cable

CM Rated Cables

Individually Shielded Twisted Pairs



Individually Shielded Pairs

NEC: CM (CEC: CM)

Product Description

22 AWG stranded (7x30) tinned copper conductors. Polypropylene insulation. Twisted pairs individually Beldfoil® shielded (100% Coverage). Overall Chrome PVC jacket and 22 AWG stranded tinned copper drain wire.

Color Code: See Chart 3 (in Technical Information Section)

Specifications

Nominal OD — Conductor .030" (.76mm)

Nominal OD — Insulation .050" (1.27mm)

Approvals

NEC CM
CEC CM

UL Ratings UL AWM Style 2919

Voltage Rating 30V RMS

Temperature Rating 80°C

Nominal DCR

Conductor 15.0Ω/M' (52.5Ω/km)
Shield 10.6Ω/M' (34.8Ω/km)

Nominal Impedance 50Ω

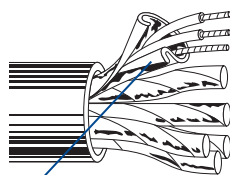
Nominal Velocity of Propagation 66%

Nominal Capacitance

Between Conductors 30 pF/Ft. (98 pF/m)
Between Conductor/Shield* 55 pF/Ft. (180 pF/m)

DCR = DC Resistance

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



Z-Fold®

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

CM Rated Twisted Pairs NEC: CM (CEC: CM)

22 AWG							
8777	3	100	30.5	4.7	2.1	.273	6.93
		250	76.2	10.0	4.5		
		U-500	U-152.4	21.0	9.5		
		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	97.5		
		10000†	3048.0	460.0	208.7		

For Plenum versions of 8777, see 88777, 87777 or 82777.

8778	6	100	30.5	8.4	3.8	.362	9.19
		250	76.2	19.0	8.6		
		500	152.4	43.0	19.5		
		1000	304.8	83.0	37.7		

For Plenum versions of 8778, see 88778, 87778 or 82778.

8774	9	100	30.5	11.5	5.2	.417	10.59
		250	76.2	29.5	13.4		
		500	152.4	57.5	26.1		
		1000	304.8	113.0	51.3		
8775	11	100	30.5	12.1	5.5	.464	11.79
		500	152.4	65.5	29.7		
		1000	304.8	130.0	59.0		
9768	12	100	30.5	13.2	6.0	.464	11.79
		250	76.2	36.5	16.6		
		500	152.4	73.5	33.4		
		1000	304.8	143.0	65.0		
8776	15	100	30.5	17.8	8.1	.548	13.92
		250	76.2	49.5	22.5		
		500	152.4	98.0	44.5		
		1000	304.8	197.0	89.5		
9769	17	100	30.5	20.0	9.1	.577	14.66
		500	152.4	109.0	49.5		
		1000	304.8	215.0	97.7		
8769	19	100	30.5	22.9	10.4	.603	15.32
		500	152.4	123.0	55.8		
		1000	304.8	244.0	110.7		
8773	27	100	30.5	33.9	15.4	.709	18.00
		250	76.2	83.8	38.0		
		500	152.4	163.0	73.9		
		1000	304.8	341.0	154.7		
9767	37	500††	152.4	224.0	101.8	.800	20.32
		1000††	304.8	481.0	218.6		

† Final put-ups may vary -10 to +20% from length shown, and may contain 2 pieces. Minimum length of any one piece will be 1500 ft.

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

Analog Multi-Pair Snake Cable

CMP Rated (Plenum) Cables

Individually Shielded Twisted Pairs



Individually Shielded Pairs

NEC: CMP (CEC: CMP FT6)

Product Description

22 AWG stranded (7x30) tinned copper conductors. FEP insulation. Twisted pairs individually Beldfoil® shielded (100% Coverage). Overall jacket per table below. 22 AWG stranded tinned copper drain wire.

Color Code: See Chart 3 (in Technical Information Section)

Specifications

Nominal OD — Conductor .030" (.76mm)

Nominal OD — Insulation .050" (1.27mm)

Overall Jacket

88000 Series FEP
87000 Series PVDF
82000 Series Flamarrest®

Approvals

NEC CMP
CEC CMP FT6

UL Ratings

Non-conduit

Voltage Rating

300V RMS

Temperature Rating

88000 Series 200°C
87000 Series 150°C
82000 Series 60°C

Nominal DCR

Conductor 16.0Ω/M' (52.5Ω/km)
Shield 11.3Ω/M' (37.1Ω/km)

Nominal Impedance

82000 Series 46Ω
87000, 88000 Series 50Ω

Nominal Velocity of Propagation

82000 Series 62%
87000, 88000 Series 69%

Nominal Capacitance (82000 Series)

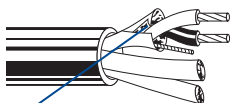
Between Conductors 35 pF/Ft. (115 pF/m)
Between Conductor/Shield* 76 pF/Ft. (249 pF/m)

Nominal Capacitance (87000, 88000 Series)

Between Conductors 31 pF/Ft. (102 pF/m)
Between Conductor/Shield* 67 pF/Ft. (220 pF/m)

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

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



Z-Fold®

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

Plenum-Rated Twisted Pairs NEC: CMP (CEC: CMP FT6)

22 AWG							
88777	3	100	30.5	6.0	2.7	.234	5.94
		500†	152.4	19.0	8.6		
		1000†	304.8	42.0	19.1		
88778	6	100	30.5	7.0	3.2	.309	7.85
		500†	152.4	38.5	17.5		
		1000†	304.8	75.0	34.1		
87777	3	500†	152.4	18.0	8.2	.234	5.94
		1000†	304.8	40.0	18.2		
87778	6	500†	152.4	37.5	17.0	.309	7.85
		1000†	304.8	73.0	33.2		
82777	3	U-500†	U-152.4	19.5	8.9	.237	6.02
		U-1000	U-304.8	38.0	17.3		
		1000†	304.8	39.0	17.7		
82778	6	1000†	304.8	71.0	32.2	.314	7.98

†Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and UnReel U-500 and -10% to +5% for UnReel U-1000 from length shown.

Analog Multi-Pair Snake Cable

CMP Rated (Plenum) Cables

Individually Shielded Twisted Pairs



Individually Shielded Pairs

NEC: CMP (CEC: CMP FT6)

Product Description

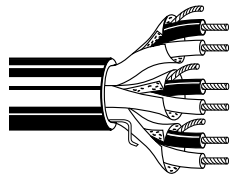
22 AWG stranded (7x30) bare copper conductor. FEP insulation. Twisted pairs individual Beldfoil® shield (100% Coverage) with drain wire. Multiple pairs cable together. Overall Gray fluorocopolymer jacket and rip cord. Sequential footage marking every two feet.

Color Code: See Chart 3 (in Technical Information Section)

Specifications

Nominal OD — Conductor	.029" (.74mm)
Nominal OD — Insulation	.049" (1.24mm)
Insulation Thickness	.010" (.254mm)
Shield	Beldfoil
Outer Jacket Thickness	
2- to 12-pair	.015" (.38mm)
16-pair (6549PA)	.018" (.46mm)
Approvals	
NEC	CMP
CEC	CMP FT6
Voltage Rating	300V
Temperature Rating	75°C
Nominal DCR	
Conductor	16.4Ω/M' (53.8Ω/km)
Shield	15.3Ω/M' (50.2Ω/km)
Nominal Impedance	50Ω
Nominal Velocity of Propagation	69%
Nominal Capacitance	27.5 pF/Ft. (90.2 pF/m)

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene



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

Plenum-Rated Twisted Pairs NEC: CMP (CEC: CMP FT6)

22 AWG							
6541PA	2	500	152	13.5	6.1	.214	5.44
		U-1000	U-305	26.0	11.8		
		1000	305	27.0	12.2		
6542PA	3	1000	305	36.0	16.4	.228	5.79
6543PA	4	1000	305	45.0	20.4	.252	6.40
6545PA	6	1000	305	60.0	27.2	.300	7.62
6546PA	8	1000	305	85.0	38.6	.332	8.43
6548PA	12	1000	305	125.0	56.7	.408	10.36
6549PA	16	1000	305	162.0	73.5	.457	11.61


Alarm, Security and Speaker Cable / Shielded Audio Cable

Multi-conductor Cables for Residential, Light Commercial and Institutional Applications, AES/EBU Digital Audio Cables, and Audio and Control Interconnect Cables


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

Multi-conductor • 22 AWG Stranded (7x30) Bare Copper Conductors

Non-Plenum • Polypropylene Insulation • PVC Jacket (Beige, Brown, Orange, Yellow, Green, Blue, Purple, Gray or Natural)

300V 75°C	5500UG	NEC: CM	2	Black, Red	C-500	C-152.4	3.5	1.6	.006	.15	.015	.38	.114	2.90
		CEC: CM FT1			U-500	U-152.4	5.0	2.3						
					C-1000	C-304.8	7.0	3.2						
					U-1000	U-304.8	9.0	4.1						


Jacket sequentially marked at 2 ft. intervals.

300V 75°C	5502UG	NEC: CM	4	Black, Red, White, Green	C-500	C-152.4	6.5	3.0	.006	.15	.015	.38	.131	3.33
		CEC: CM FT1			U-500 *	U-152.4	7.5	3.4						
					C-1000	C-304.8	13.0	5.9						
					U-1000	U-304.8	14.0	6.4						

*U-500 ft. put-up available in Gray or White only.
Jacket sequentially marked at 2 ft. intervals.

Multi-conductor • 18 AWG Stranded (7x26) Bare Copper Conductors

Non-Plenum • Polypropylene Insulation • PVC Jacket (Available in Black, Gray or Natural)

300V 75°C	5300UG	NEC: CM	2	Black, Red	C-500	C-152.4	7.5	3.4	.006	.15	.015	.38	.148	3.76
		CEC: CM FT1			U-500	U-152.4	8.5	3.9						
					U-1000	U-304.8	16.0	7.3						


Jacket sequentially marked at 2 ft. intervals.

Shielded Audio Cable

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

AES/EBU Digital Audio • 24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil® Shield (100% Coverage) • 24 AWG Drain Wire

Datalene® Insulation • Gray or Purple PVC Jacket

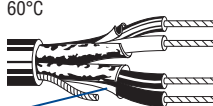
60°C	1800B	NEC: CMG	1	Black, Red	500 *	152.4	8.0	3.6	23.7Ω/M'	18.9Ω/M'	.177	4.50	110	76%	12	39	26	85
		CEC: CMG FT4			U-1000	U-304.8	17.0	7.7	77.7Ω/km	62.0Ω/km								
					1000	304.8	16.0	7.3										
					5000 *	1524.0	90.0	40.9										

*500 ft. put-up available in Gray only. 5000 ft. put-up available in Purple only.
The jacket and shield are bonded so both can be removed with automatic stripping equipment.

For cross-connect use with 1803F (et al.)
Digital Audio Snake Cables, see page 19.28
For Plenum version of 1800B, see 1801B.

Audio and Control Interconnect • 22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • 24 AWG Stranded TC Drain Wire

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

60°C	8723	NEC: CM	2	Red/Black, Green/White	100	30.5	2.3	1.0	14.7Ω/M'	15.0Ω/M'	.160	4.06	45	66%	35	115	62	203
		CEC: CM			U-500	U-152.4	10.5	4.8	48.5Ω/km	49.2Ω/km								
					500	152.4	10.0	4.5										
					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										

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

For additional selection of Belden® Audio Cables, refer to the Broadcast Cables section of this catalog.

*Capacitance between conductors.

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

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.

BELDEN

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