

Line Level Analog Audio Cable Single-Pair Cables



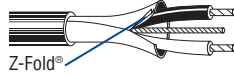
Belden analog audio cables are used for connecting line level audio equipment in either permanent or semi-permanent installations. They consist of one or two individually foil-shielded, twisted pairs. Once installed, they are not intended to be moved while in service. For cables that are in motion during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

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.

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


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


▲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:	1	Black,	500	152.4	6.5	2.9	.008	.20	.024	.61	.131	3.33	31	102	58	190
		CM		Red	1000	304.8	11.0	5.0	For cross-connect use with 1408R (et al.) Snake Cables, see page 19.18.									
		CEC:																
		CM																

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:	1	Black,	100	30.5	2.3	1.0	.016	.41	.025	.64	.168	4.27	22	72	42	138		
		CM		Clear	U-500	U-152.4	7.5	3.4	For Plenum versions of 8641, see 88641 or 82641.											
		CEC:			500	152.4	7.0	3.2												
		CM			U-1000	U-304.8	14.0	6.4												
					1000	304.8	14.0	6.4												
					2000	609.6	28.0	12.7												

Plenum • FEP Insulation • Red FEP Jacket

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

Plenum • FEP Insulation • Natural Flamarrest® Jacket

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

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)

	1266A	NEC:	1	Black, Red	U-1000	U-304.8	15.0	6.8	.010	.25	.020	.51	.143	3.63	30	99	54	177
		CM			1000 [▲]	304.8	15.0	6.8										
		CEC:																
		CM																

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

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

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

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

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

	8451	NEC:	1	Black, Red	100 [▼]	30.5	2.3	1.1	.008	.20	.020	.51	.138	3.51	34	111	67	220
		CMR			U-500	U-152.4	8.5	3.9										
		CEC:			500	152.4	8.0	3.6										
		CMG FT4			U-1000	U-304.8	16.0	7.3										
					1000	304.8	16.0	7.3										

[▼]100 ft. put-up available in Black only.

Unique paper separator facilitates jacket stripping.

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

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

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

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

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

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

	9451SB <small>new</small>	NEC:	1	Black, Red	1000	304.8	20.0	9.1	.008	.20	.032	.81	.160	4.06	35	114	67	220
		LSZH and ABS Type Approved			CMG-LS													
		CEC:																
		CMG-LS FT4																
		Limited Smoke																

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

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

	9451P <small>new</small>	NEC:	1	Black, Red	U-1000	U-304.8	16.0	7.3	.007	.18	.017	.43	.127	3.23	35	115	67	220
					CMP	5000	1524.0	75.0	34.0									
		CEC:																
		CMP FT6																

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

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

Polypropylene Insulation • Gray or Black PVC Jacket

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

^{*}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.



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

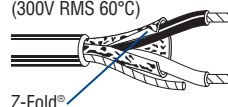
Line Level Analog Audio Cable

Single-Pair Cables




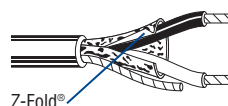
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

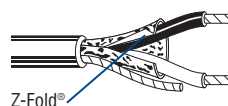
22 AWG Stranded (7x30) TC Conductors • Twisted Pair • Overall Beldfoil® Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire


Polyethylene Insulation • Chrome PVC Jacket																					
Low-Capacitance UL AWM Style 2092 (300V RMS 60°C)  Z-Fold®	8761	NEC:	1	Black, Clear	U-500	U-152.4	9.0	4.1	.016	.41	.025	.64	.175	4.45	24	79	47	154			
		CM			500	152.4	9.0	4.1													
		CEC:			U-1000	U-304.8	17.0	7.7													
		CM			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  Z-Fold®	88761	NEC:	1	Black, Red	100	30.5	2.7	1.2	.006	.15	.014	.36	.119	3.02	35	115	67	220		
		CMP			U-500 [▲]	U-152.4	7.5	3.4												
		CEC:			500 [†]	152.4	7.5	3.4												
		CMP FT6			U-1000 [▲]	U-304.8	15.0	6.8												
					1000 [†]	304.8	12.0	5.4												


Plenum • FEP Insulation • Red Fluoropolymer Jacket																				
300V RMS 150°C  Z-Fold®	87761	NEC:	1	Black, Red	500 [†]	152.4	7.0	3.2	.006	.15	.014	.36	.116	2.95	35	115	67	220		
		CMP			1000 [†]	304.8	11.0	5.0												
		CEC:																		
		CMP FT6																		

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

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

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

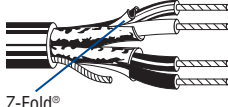
Double-Pair Cables



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

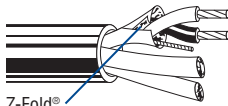
22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individual Beldfoil® Shield (100% Coverage) • Stranded TC Common Drain Wire

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

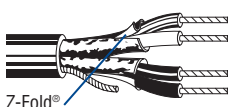
 <p>Z-Fold®</p>	300V RMS 60°C	8723	NEC: CM CEC: CM	2	Red/Black, Green/White	100	30.5	2.3	1.0	.008	.20	—	—	.160	4.06	35	115	62	203	
						U-500	U-152.4	10.5	4.8											
						500	152.4	10.0	4.5											
						U-1000	U-304.8	20.0	9.1											
						1000	304.8	20.0	9.1											
						1640	499.9	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.

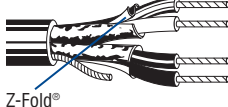
Polypropylene Insulation • Black Low-Smoke, Zero-Halogen Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

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

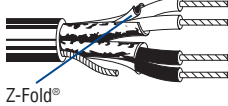
Polypropylene Insulation • Black Low-Smoke, Zero-Halogen Jacket

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

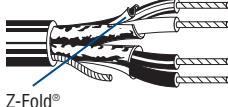
Plenum • FEP Insulation • Red FEP Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

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

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

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

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

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



19 • Brilliance® Broadcast

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: CM CEC: CM	2	Black, Red	U-1000 2000 [▲]	U-304.8 609.8	32.0 64.0	14.5 29.0	.010 .25	.020 .51	.143 .286	3.63 7.26	57	187	100	328				

[▲]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: CMR CEC: CMG FT4	2	Black, Red	U-1000 2000 [*]	U-304.8 620.8	29.0 62.0	13.2 28.1	.008 .20	.020 .51	.135 .270	3.43 6.86	34	112	67	220				

^{*}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: CMP CEC: CMP FT6	2	Black & Red, Black & White	1000	304.8	24.0	10.9	.007 .18	.017 .43	.127 .269	3.23 6.83	35	115	67	220				

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: CMG CEC: CMG FT4	1	Black, Red	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	11.5 12.0 22.0 23.0	5.2 5.5 10.0 10.5	.014 .36	.031 .79	.198 .503	60	197	100	328					

9154 has 22 AWG stranded tinned copper drain wire.

Polyethylene Insulation • Chrome PVC Jacket																				
UL AWM Style 2092 (300V RMS 60°C)	8762	NEC: CM CEC: CM	1	Black, Clear	100 250 U-500 500 U-1000 1000 2000 10000	30.5 76.2 U-152.4 152.4 U-304.8 304.8 609.6 3048.0	3.2 6.3 12.0 12.0 23.0 23.0 46.0 240.0	1.5 2.8 5.5 5.5 10.5 10.5 20.9 109.1	.016 .41	.028 .71	.204 5.18	27	89	49	161					

Shorting Fold

UL AWM Style 2092 (300V RMS 60°C)	9464	NEC: CM CEC: CM	1	Black, Clear	U-500 U-1000	U-152.4 U-304.8	17.0 32.0	7.7 14.5	.016 .41	.035 .89	.214 5.44	27	89	49	161					
--------------------------------------	-------------	--------------------------	---	-----------------	-----------------	--------------------	--------------	-------------	-------------	-------------	--------------	----	----	----	-----	--	--	--	--	--

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

FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

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

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%.

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)

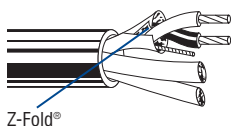
Between Conductors 35 pF/Ft. (115 pF/m)
Between Conductor/Shield* 76 pF/Ft. (249 pF/m)

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.



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.

AES/EBU Digital Audio Cable

Single- and Double-Pair Cables



19 • Brilliance® Broadcast

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

110 Ohm • 26 AWG Stranded (7x34) .018" TC Conductors • Twisted Pair • Beldfoil® Shield (100% Coverage) • 26 AWG Stranded TC Drain Wire

Datalene® Insulation • Chrome or Purple PVC Jacket

2-Conductor Digital Video Time Code Cable 75°C	9180	NEC: CMR CEC: CMG FT4	1	Black, White	1000	304.8	10.0	4.5	37.3Ω/M'	23.1Ω/M'	.144	3.66	110	76%	13	43	26	85
---	-------------	--------------------------------	---	-----------------	------	-------	------	-----	----------	----------	------	------	-----	-----	----	----	----	----



Shorting Fold

For cross-connect use with 7891A (et al.)
Digital Audio Snake Cables, see page 19.28.

24 AWG Stranded (7x32) Tinned Copper Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Drain Wire

Datalene Insulation • Gray or Purple PVC Jacket

60°C	1800B	NEC: CMG CEC: CMG FT4	1	Black, Red	500*	152.4	8.0	3.6	23.7Ω/M'	18.9Ω/M'	.177	4.57	110	76%	12	39	26	85
					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	40.8										



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

*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.

24 AWG Stranded (42x40) HC BC Conductors • Conductors Cabled with Fillers • TC "French Braid" Shield (95% Coverage) • BC Drain Wire

Datalene Insulation • Matte PVC Jacket (Available in Red, Yellow, Green, Blue, Gray or Black)

Digital Mic Cable High-Flex 60°C	1800F	NEC: CL2R	1	Black, Red	500^	152.4	12.0	5.5	23.7Ω/M'	5.0Ω/M'	.211	5.36	110	76%	12	39	26	85
					U-1000	U-304.8	26.0	11.8	77.7Ω/km	16.4Ω/km								
					1000^	304.8	24.0	10.9										



French Braid

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

24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG TC Drain Wire

Plenum • Foam FEP Teflon® Insulation • Flam arrest® Jacket (Available in Natural White or Purple)

75°C, Non-conduit	1801B	NEC: CMP CEC: CMP FT6	1	Black, Red	500	152.4	6.0	2.7	23.7Ω/M'	18.9Ω/M'	.165	4.19	110	78%	12	39	26	85
					U-1000	U-304.8	14.0	6.4	77.7Ω/km	62.0Ω/km								
					1000	304.8	12.0	5.5										



24 AWG Stranded (7x32) TC Conductors • Dual Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG TC Drain Wire

Datalene Insulation • Purple PVC Jacket in Zip-Cord Construction

60°C	1802B	NEC: CMG CEC: CMG FT4	2	Black, Red	500	152.4	16.5	7.5	23.7Ω/M'	18.9Ω/M'	.180	4.57	110	76%	12	39	26	85
					U-1000	U-304.8	35.0	15.9	77.7Ω/km	62.0Ω/km	x	x						
					1000	304.8	37.0	16.8			.360	9.14						



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

22 AWG Stranded (7x30) TC Conductors • Twisted Pair with Fillers • Overall Beldfoil + TC Braid Shield (90% Coverage) • 24 AWG Drain Wire

Datalene Insulation • Black High-Flex Matte PVC Jacket

DMX512 Type High-Flex 60°C	1696A	—	1	Blue, White	250	76.2	8.0	3.6	17.8Ω/M'	4.6Ω/M'	.234	5.94	110	76%	13	43	26	85
					500	152.4	14.5	6.6	48.5Ω/km	15.2Ω/km								
					U-1000	U-304.8	30.0	13.6										
					1000	304.8	32.0	14.5										



Z-Fold®

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HC = High-conductivity • TC = Tinned Copper

*Capacitance between conductors.

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

Teflon is a DuPont trademark.



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

AES/EBU Digital Audio Cable

Plenum-Rated, Multi-Pair Snake Cables
Individually Shielded Pairs



Individually Shielded Pairs

NEC: CMP (CEC: CMP FT6)

Product Description

24 AWG stranded (7x32) tinned copper conductors. Foam FEP insulation. Twisted pairs individually Beldfoil® shielded (100% Coverage). Overall Gray fluorocopolymer jacket (except 82729 which has Natural Flamarrest® jacket). 24 AWG stranded tinned copper drain wire.

Color Code: See Chart 5 (in Technical Information Section)

Specifications

Nominal OD — Conductor .024" (.60mm)

Nominal OD — Insulation .062" (1.57mm)

Approvals

NEC CMP
CEC CMP FT6

UL Ratings

Non-conduit

Voltage Rating

300V RMS

Nominal DCR

Conductor 23.3Ω/M' (76.4Ω/km)
Shield 14.4Ω/M' (47.2Ω/km)

Nominal Impedance

100Ω

Nominal Velocity of Propagation

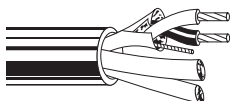
76%

Nominal Capacitance

Between Conductors 13.5 pF/Ft. (44 pF/m)
Between Conductor/Shield* 22.5 pF/Ft. (73.8 pF/m)

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

*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

Plenum Individually Shielded NEC: CMP (CEC: CMP FT6)

24 AWG							
82729	2	U-1000	U-304.8	26.0	11.8	.255	6.48
		1000	304.8	28.0	12.7		
89729	2	500	152.4	17.0	7.7	.261	6.63
		1000	304.8	31.0	14.1		
89730	3	500	152.4	21.5	9.8	.278	7.06
		1000	304.8	40.0	18.2		
89728	4	500	152.4	26.5	12.0	.307	7.80
		1000	304.8	50.0	22.7		
89705	5	500	152.4	30.5	13.9	.333	8.46
		1000	304.8	62.0	28.2		
89731	6	500	152.4	35.0	15.9	.361	9.17
		1000	304.8	71.0	32.3		
89757	7	500	152.4	39.5	18.0	.361	9.17
		1000	304.8	80.0	36.4		
89732	9	1000	304.8	108.0	49.0	.433	10.99
89734	12	500	152.4	71.0	32.3	.498	12.65
		1000	304.8	140.0	63.6		
89758	18	500	152.4	100.5	45.7	.616	15.65
		1000	304.8	204.0	92.7		

Spools are one piece, but length may vary ±10% from length shown.
Unreel® carton may vary -5% to +10% from length shown.

Speaker Wire and Cable

Electrolytic Tough Pitch (ETP) High-Conductivity Copper Speaker Cables
Open Twisted Construction



19 • Brilliance® Broadcast

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

22 AWG Stranded (7x30) ETP High-conductivity Copper Conductors • Cabled: (1) Tinned, (1) Bare

PVC Insulation • (Color Code: White)

UL Listed. Wires Misc. 90V 90°C VW-1	9151	—	2	U-1000	U-304.8	7.0	3.2	.012	.30	.108	2.74
--	-------------	---	---	--------	---------	-----	-----	------	-----	------	------



18 AWG Stranded (7x26) ETP High-conductivity Tinned Copper Conductors • Cabled

PVC Insulation • (Color Code: Black, Natural)

UL AWM Style 1007 (300V 80°C) VW-1	8460	—	2	U-1000 1000	U-304.8 304.8	18.0	8.2	.020	.51	.180	4.57
--	-------------	---	---	----------------	------------------	------	-----	------	-----	------	------



18 AWG Stranded (19x30) ETP High-conductivity Bare Copper Conductors • Cabled

Plenum • Flamarrest® Insulation • (Color Code: Black, Natural)

75°C	1863A	NEC: CL2P	2	1000	304.8	19.0	8.6	.022	.56	.178	4.52
------	--------------	--------------	---	------	-------	------	-----	------	-----	------	------



16 AWG Stranded (19x29) ETP High-conductivity Tinned Copper Conductors • Cabled

PVC Insulation • (Color Code: Black & Natural for 8470; Black & Orange for 9497)

UL AWM Style 1007 (300V 80°C) VW-1	8470	—	2	500 U-1000 1000	152.4 U-304.8 304.8	13.0	5.9	.023	.58	.210	5.33
--	-------------	---	---	-----------------------	---------------------------	------	-----	------	-----	------	------



	9497	—	2	1000	304.8	30.0	13.6	.023	.58	.210	5.33
--	-------------	---	---	------	-------	------	------	------	-----	------	------

16 AWG Stranded (19x29) ETP High-conductivity Bare Copper Conductors • Cabled

Plenum • Flamarrest Insulation • (Color Code: Black, Natural)

75°C	1862A	NEC: CL2P	2	1000	304.8	26.0	11.8	.022	.56	.202	5.13
------	--------------	--------------	---	------	-------	------	------	------	-----	------	------



Speaker Wire and Cable

Electrolytic Tough Pitch (ETP) High-Conductivity Copper Speaker Cables
Open Twisted Construction



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

14 AWG Stranded (19x27) ETP High-conductivity Bare Copper Conductors • Cabled

Plenum • Flamarrest® Insulation • (Color Code: Black, Natural)

150V RMS 75°C,	1861A	NEC: CL2P	2	1000	304.8	36.0	16.3	.022	.56	.236	5.99
----------------	--------------	--------------	---	------	-------	------	------	------	-----	------	------



12 AWG Stranded (19x25) ETP High-conductivity Bare Copper Conductors • Cabled

Plenum • Flamarrest Insulation • (Color Code: Black, Natural)

150V RMS 75°C,	1860A	NEC: CL2P	2	1000	304.8	58.0	26.4	.022	.56	.270	6.86
----------------	--------------	--------------	---	------	-------	------	------	------	-----	------	------



Speaker Wire and Cable

High-Flex Multi-Conductor Cables

Bi-amp and Tri-amp Speaker Connections



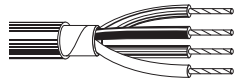
19 • Brilliance® Broadcast

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 (104x34) Bare Copper Conductors • Conductors Cabled with Fillers • Paper Wrap

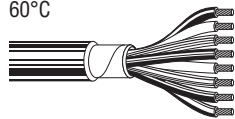
PVC Insulation • Overall Matte Black PVC Jacket

High-Flex 60°C	1810A	—	4	Red, Green, White, Black	250	76.2	26.3	11.9	.025	.64	.040	1.02	.390	9.91
					500	152.4	55.5	25.2						
					1000	304.8	114.0	51.7						



Compatible with Neutrik Speakon® Connectors.

High-Flex 60°C	1811A	—	8	Brown, Red, Orange, Yellow, Green, White, Blue, Black	1000	304.8	205.0	93.0	.025	.64	.040	1.02	.515	13.08
--------------------------	--------------	---	---	--	------	-------	-------	------	------	-----	------	------	------	-------



Compatible with Neutrik Speakon® Connectors.

10 AWG Stranded (65x28) Bare High-conductivity ETP Copper Conductors • Highly Stranded for Ultra Flexibility • Rip Cord

High-grade PVC Insulation • PVC Jacket (Available in Gray)

High-Flex 75°C, UL 1581	5T00UP	NEC: CL2 Audio Use Only	2	Black, White	500	152.4	49.5	22.5	.020	.38	.026	.66	.356	9.04
					1000	304.8	96.0	49.5						



For Plenum version of 5T00UP, see 6T00UP.

Jacket sequentially marked at 2 ft. intervals.

10 AWG Stranded (65x28) Bare Copper Conductors • Cabled • Rip Cord

Plenum • Flamarrest® Insulation • Natural Flamarrest Jacket

High-Flex 150V 75°C	6T00UP	NEC: CL2P Audio Use Only	2	Black, White	1000	304.8	85.0	38.6	.011	.28	.015	.38	.308	7.82
-------------------------------	---------------	-----------------------------------	---	-----------------	------	-------	------	------	------	-----	------	-----	------	------



Jacket sequentially marked at 2 ft. intervals.

Neutrik is a Liechtenstein Corporation trademark.



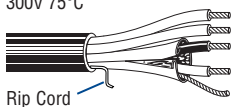
For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

Special Application Audio, Communication and Instrumentation Cable

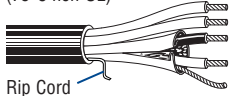
Multimedia Control Cables



19 • Brilliance® Broadcast

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  Rip Cord	1502R	NEC:	1 STP	Pair:	500	152.4	20.0	9.1	Data:	.039	.99	.250	6.35	14	46	38	125	
		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)  Rip Cord	1502P	NEC:	1 STP	Pair:	1000	304.8	31.0	14.1	Data:	.015	.381	.205	5.21	14	46	38	125
		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.

Standard Analog Video Cable

75 Ohm Miniature Coax



Belden standard video cables are typically used in non-critical video applications such as video equipment rack wiring, closed circuit TV (CCTV), master antenna TV(MATV) and color or monochrome video monitor hook-ups. Applications such as these do not require Precision Video coaxes which have extremely tight electrical tolerances. (See Precision Video cables, pages 19.49 through 19.58.)

Video coax cables have a characteristic impedance of 75 ohms. This value was not chosen arbitrarily. Physics shows that optimum attenuation characteristics occur at 77 ohms. Materials and design lead to the selection of 75 ohms as the optimum compromise for low power applications.

Standard video coaxes are available in both solid and stranded designs. Stranded designs are recommended for flexing applications such as interconnection of CCTV cameras with pan and tilt capabilities, or remote camera hook-ups where the cable is constantly being spooled and despoiled from a reel. Belden's Brilliance high-flex part no. 8241F is ideal for these types of applications.

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Insulation Diameter		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
30 AWG Stranded (7x38) .012" Tinned Copper Conductor • Tinned Copper Braid Shield (89% Coverage)																			
Foam HDPE Insulation • Black PVC Jacket																			
UL AWM Style 1375 (30V 60°C)	9221	—	100	30.5	1.5	1.0	30 AWG (7x38) .012"	.058	1.47	TC Braid 89% Shield Coverage	.097	2.46	75	78%	17.3	56.8	1	.7	2.3
			U-500	U-152.4	4.0	1.8											4	1.3	4.3
			500	152.4	4.0	1.8				TC 11.7Ω/M'							5	1.6	5.2
										100.0Ω/M'							10	2.2	7.2
										328.0Ω/km							50	5.1	16.7
																	100	7.3	23.9
																	200	10.5	34.4
																	400	15.5	50.9
																	1000	26.6	87.3

27 AWG Stranded (7x35) .017" Bare Copper-covered Steel Conductor • Tinned Copper Braid Shield (93% Coverage)																			
Polyethylene Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 60°C) (1700V non-UL)	8218	—	U-500	U-152.4	8.5	3.9	27 AWG (7x35) .017"	.100	2.54	TC Braid 93% Shield Coverage	.150	3.81	75	66%	20.5	67.3	1	1.2	3.9
			500	152.4	8.0	3.6											10	2.4	7.9
			U-1000	U-304.8	16.0	7.3											50	4.2	13.8
			1000	304.8	14.0	6.4				BCCS 5.7Ω/M'							100	5.7	18.7
										120.0Ω/M'							200	8.3	27.2
										393.7Ω/km							400	12.1	39.7
																	700	16.5	54.1
																	900	19.0	62.3
																	1000	20.0	65.6

Miniature • 25 AWG Solid .018" Tinned Copper Conductors • Duobond® (100% Coverage) + TC Braid Shield (95% Coverage)																				
Gas-injected Foam HDPE Insulation • Black PVC Jacket																				
UL AWM Style 1281R (new)	1281R	NEC: CMR CEC: CMG	1	1000	304.8	8.0	3.6	25 AWG (solid) .018" TC	.074	1.88	Duobond (100%) + TC Braid	.114	2.90	75	80%	17.0	55.8	1	.5	1.7
								34.0Ω/M'			5.4Ω/M'							5	1.2	3.8
								111.6Ω/km			17.7Ω/km							50	3.7	12.1
																		100	4.9	16.1
																		200	6.7	22.0
																		400	9.5	31.2
																		700	13.4	44.0
																		900	15.0	49.2
																		1000	15.8	51.8
																		3000	31.2	102.4

Plenum • FPFA Insulation • Black Flamarrest® Jacket																				
UL AWM Style 1282P (new)	1282P	NEC: CMP CEC: CMP FT6	1	1000	304.8	10.0	4.5	25 AWG (solid) .018" TC	.074	1.88	Duobond (100%) + TC Braid	.114	2.90	75	81%	17.0	55.8	1	.4	1.3
								31.8Ω/M'			5.8Ω/M'							5	.9	3.0
								104.3Ω/km			19.0Ω/km							50	3.7	12.1
																		100	5.0	16.4
																		200	7.0	23.0
																		400	10.0	32.8
																		700	14.5	47.6
																		900	17.0	55.8
																		1000	17.5	57.4
																		3000	37.0	121.4

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FPFA = Foam Perfluoroalkoxy • HDPE = High-density Polyethylene • TC = Tinned Copper

Standard Analog Video Cable

75 Ohm Coax
RG-59/U Type



Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Insulation Diameter		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

23 AWG Solid .023" Bare Copper or Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)

Polyethylene Insulation • Black or Colored PVC Jacket *																				
UL AWM Style 1354 (30V 75°C)	8241	NEC: CM	100	30.5	4.4	2.0	23 AWG	.146	3.71	BC Braid	.240	6.09	75	66%	20.5	67.3	1	.6	2.0	
VW-1		U-1000 [▲]	U-304.8	38.0	17.2	BCCS			95% Shield								10	1.1	3.6	
300V RMS (UL)		1000	304.8	40.0	18.1	49.0Ω/M'			Coverage									50	2.4	7.9
1700V RMS (non-UL)		2000	609.6	80.0	36.3	160.7Ω/km			2.6Ω/M'									100	3.4	11.2
		5000	1524.0	200.0	90.7				8.5Ω/km									200	4.9	16.1
For Plenum versions of 8241, see 88241 or 82241.																				



*U-1000 ft. put-up also available in Red, Orange, Yellow, Green, Blue or White.

Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket																					
UL AWM Style 1354 (30V 75°C)	8241A	NEC: CMG	U-1000	U-304.8	40.0	18.1	23 AWG (solid)	.146	3.71	BC Braid	.242	6.15	75	66%	20.5	67.3	1	.6	2.0		
300V RMS (UL)		CEC: CMG FT4	1000	304.8	42.0	19.0	.023"			95% Shield								5	.9	3.0	
							BCCS			Coverage									10	1.1	3.6
							49.0Ω/M'			2.6Ω/M'									50	2.4	7.9
							160.7Ω/km			8.5Ω/km									100	3.4	11.2
																		200	4.9	16.1	
																		400	7.0	23.0	
																		700	10.1	33.1	
																		900	11.7	38.2	
																		1000	13.2	43.3	

Suitable for Indoor and Outdoor applications.

Polyethylene Insulation • Black PVC Jacket																					
UL AWM Style 1354 (30V 80°C)	8241B	NEC: CM	U-1000	U-304.8	36.0	16.3	23 AWG (solid)	.146	3.71	BC Braid	.242	6.15	75	66%	20.5	67.3	1	.4	1.3		
300V RMS (UL)		CEC: CM	1000	304.8	37.0	16.8	.023"			95% Shield								10	1.1	3.6	
1700V RMS (non-UL)							BC			Coverage									50	2.4	7.9
							20.4Ω/M'			2.9Ω/M'									100	3.4	11.2
							66.9Ω/km			9.5Ω/km									200	4.9	16.1
																		400	7.0	23.0	
																		700	9.7	31.8	
																		900	11.1	36.4	
																		1000	12.0	39.4	

Suitable for Indoor and Outdoor applications.

22 AWG Stranded (7x30) .030" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)

Foam Polyethylene Insulation • PVC Jacket (Available in Matte Black, Red, Blue, Green, Yellow, White or Gray)																					
High-Flex 60°C	8241F	—	1000	304.8	35.0	15.9	22 AWG (7x30)	.146	3.71	BC Braid	.242	6.15	75	78%	17.3	56.8	1	.3	1.0		
300V RMS (non-UL)							.030"			95% Shield								10	.9	3.0	
							BC			Coverage									50	2.1	6.9
							15.0Ω/M'			2.6Ω/M'									100	3.0	9.8
							49.2Ω/km			8.5Ω/km									200	4.5	14.8
																		400	6.6	21.7	
																		700	8.9	29.2	
																		900	10.1	33.1	
																		1000	10.9	35.8	



23 AWG Solid .023" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (97% Coverage)

Plenum • FEP Insulation • Black FEP Jacket																					
200°C	88241	NEC: CMP	500	152.4	18.0	8.2	23 AWG (solid)	.132	3.35	BC Braid	.190	4.83	75	69.5%	19.5	64.0	1	.5	1.6		
300V RMS (UL)		CEC: CMP FT6	1000	304.8	36.0	16.3	.023"			97% Shield								10	1.0	3.3	
1700V RMS (non-UL)							BCCS			Coverage									50	2.3	7.5
							49.0Ω/M'			2.6Ω/M'									100	3.3	10.8
							160.7Ω/km			8.5Ω/km									200	5.2	17.1
																		400	8.4	27.6	
																		700	11.6	38.0	
																		900	13.8	45.3	
																		1000	14.8	48.5	

Suitable for Outdoor and Direct Burial applications.

Plenum • FEP Insulation • Natural Flammarrest® Jacket																					
60°C	82241	NEC: CMP	U-500	U-152.4	18.5	8.4	23 AWG (solid)	.134	3.40	BC Braid	.190	4.83	75	69.5%	19.5	64.0	1	.5	1.6		
300V RMS (UL)		CEC: CMP FT6	U-1000	U-304.8	36.0	16.3	.023"			97% Shield								10	1.0	3.3	
1700V RMS 75°C (non-UL)			1000	304.8	34.0	15.4	BCCS			Coverage									50	2.3	7.5
							49.0Ω/M'			2.6Ω/M'									100	3.3	10.8
							160.7Ω/km			8.5Ω/km									200	5.2	17.1
																		400	8.4	27.6	
																		700	11.6	38.0	
																		900	13.8	45.3	
																		1000	14.8	48.5	

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

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of RG/U cables not listed.



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

Standard Analog Video Cable

75 Ohm Coax
RG-59/U Type

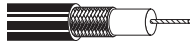


Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Insulation Diameter		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.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

22 AWG Stranded (7x30) .030" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)

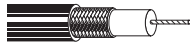
Foam Polyethylene Insulation • Black PVC Jacket

UL AWM Style 1354 (30V 80°C) VW-1, FT-1	9659	NEC: CMX CEC: CMX	U-500 U-1000	U-152.4 U-304.8	19.0 37.0	8.6 16.8	22 AWG (7x30) .030"	.146 3.71	3.71	BC Braid 95% Shield Coverage	.242 6.15	6.15	75	78%	17.3 56.7	56.7	1 10 50 100 200 400 700 900 1000	.3 .9 2.1 3.0 4.5 6.6 8.9 10.1 10.9	1.0 3.0 6.9 9.8 14.8 21.6 29.2 33.1 35.8
---	-------------	----------------------	-----------------	--------------------	--------------	-------------	------------------------	--------------	------	------------------------------------	--------------	------	----	-----	--------------	------	--	---	--



Non-contaminating PVC Jacket. For CCTV, Indoor and Outdoor applications.

UL AWM Style 1354 (30V 80°C) 300V RMS (UL)	9259	NEC: CM CEC: CM	U-500 U-1000	U-152.4 U-304.8	18.0 35.0	8.2 15.9	22 AWG (7x30) .030"	.146 3.71	3.71	BC Braid 95% Shield Coverage	.241 6.12	6.12	75	78%	17.3 56.7	56.7	1 10 50 100 200 400 700 900 1000	.3 .9 2.1 3.0 4.5 6.6 8.9 10.1 10.9	1.0 3.0 6.9 9.8 14.8 21.7 29.2 33.1 35.8
--	-------------	--------------------	-----------------	--------------------	--------------	-------------	------------------------	--------------	------	------------------------------------	--------------	------	----	-----	--------------	------	--	---	--



For CCTV, Indoor and Outdoor applications.

Plenum • Foam FEP Insulation • Black FEP Jacket

200°C 300V RMS (UL)	89259	NEC: CMP CEC: CMP FT6	U-500 U-1000	U-152.4 U-304.8	16.0 32.0	7.3 14.5	22 AWG (7x30) .030"	.135 3.43	3.43	BC Braid 95% Shield Coverage	.193 4.90	4.90	75	78%	17.3 56.7	56.7	1 10 50 100 200 400 700 900 1000	.3 .9 2.1 3.0 4.5 6.6 9.0 10.1 11.0	1.0 3.0 6.9 9.8 14.8 21.6 29.5 33.1 36.1
---------------------	--------------	--------------------------	-----------------	--------------------	--------------	-------------	------------------------	--------------	------	------------------------------------	--------------	------	----	-----	--------------	------	--	---	--



Suitable for Outdoor and Direct Burial applications.

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

75°C 300V RMS (UL)	82259	NEC: CMP CEC: CMP FT6	U-1000	U-304.8	31.0 30.0	14.1 13.6	22 AWG (7x30) .030"	.135 3.43	3.43	BC Braid 95% Shield Coverage	.193 4.90	4.90	75	78%	17.3 56.7	56.7	1 10 50 100 200 400 700 900 1000	.3 .9 2.1 3.0 4.5 6.6 9.0 10.1 11.0	1.0 3.0 6.9 9.8 14.8 21.6 29.5 33.1 36.1
--------------------	--------------	--------------------------	--------	---------	--------------	--------------	------------------------	--------------	------	------------------------------------	--------------	------	----	-----	--------------	------	--	---	--



BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

Standard Analog Video Cable


75 Ohm Coax

RG-6/U Type




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

21 AWG Solid .028" Bare Copper-covered Steel Conductor • Bare Copper Double Braid Shields (98% Coverage)


Polyethylene Insulation • Black Polyethylene Jacket																			
MATV Cable	8215	—	1000	304.8	74.0	33.6	21 AWG (solid)	.185	4.70	(2) BC Braids	.332	8.43	75	66%	20.5	67.2	1	.4	1.3
80°C							.028"			98% Shield Coverage							10	.8	2.6
							BCCS										50	1.9	6.2
							32.0Ω/M'			100% Sweep tested. 5 MHz to 450 MHz.							100	2.7	8.9
							105.0Ω/km										200	4.1	13.4
																	400	5.9	19.4
																	700	8.1	26.6
																	900	9.4	30.8
																	1000	9.8	32.1

18 AWG Solid .037" Bare Copper Conductor • Bare Copper Double Braid Shields (98% Coverage)


Foam Polyethylene Insulation • Black PVC Jacket																			
80°C	9290	NEC: 1000	304.8	59.0	26.8	18 AWG (solid)	.180	4.57	(2) BC Braids	.288	7.32	75	81%	17.3	56.7	1	.2	.7	
		CEC: 2000	609.6	118.0	53.5	.037"			98% Shield Coverage								10	.7	2.3
		CM				BC				100% Sweep tested. 5 MHz to 450 MHz.							50	1.7	5.6
		CM				7.5Ω/M'											100	2.5	8.2
						24.6Ω/km											200	3.6	11.8
																	400	5.0	16.4
																	700	7.2	23.6
																	900	8.3	27.2
																	1000	8.8	28.9

Suitable for Indoor and Outdoor applications.


18 AWG Solid .040" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (60% Coverage)

Gas-injected Foam HDPE Insulation • Black PVC Jacket																			
UL AWM Style 1354 (30V 80°C)	9248	NEC: U-500	U-152.4	16.5	7.5	18 AWG (solid)	.180	4.57	Duofoil + 60% TC Braid	.270	6.86	75	82%	16.2	53.1	1	.3	1.0	
		CEC: U-1000	U-304.8	32.0	14.5	.040"			5.6Ω/M'								10	.7	2.3
		CM	1000	304.8	33.0	15.0	BC		18.4Ω/km								50	1.5	4.9
			1640	500.0	55.8	25.3	6.4Ω/M'			For Plenum versions of 9248, see 89248 or 82248.							100	2.0	6.6
			3280	1000.0	108.2	49.2	21.0Ω/km			100% Sweep tested. 5 MHz to 450 MHz.							200	2.8	9.2
																	400	4.0	13.1
																	700	5.3	17.4
																	900	6.1	20.0
																	1000	6.5	21.3

18 AWG Solid .040" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (65% Coverage)

Plenum • Foam FEP Insulation • Black FEP Jacket																			
200°C	89248	NEC: 500	152.4	15.0	6.8	18 AWG (solid)	.170	4.32	Duofoil + 65% TC Braid	.222	5.64	75	82%	16.5	54.1	1	.3	1.0	
		CMP 1000	304.8	33.0	15.0	.040"			5.1Ω/M'								10	.7	2.3
		CEC: 2000	609.6	64.0	29.0	BC			16.7Ω/km								50	1.5	4.9
		CMP FT6				6.4Ω/M'				100% Sweep tested. 5 MHz to 450 MHz.							100	2.1	6.9
						21.0Ω/km											200	3.1	10.2
																	400	4.5	14.8
																	700	6.0	19.7
																	900	6.9	22.6
																	1000	7.3	23.9

Suitable for Outdoor and Direct Burial applications.

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket																			
75°C	82248	NEC: U-1000	U-304.8	29.0	13.2	18 AWG (solid)	.170	4.32	Duofoil + 65% TC Braid	.222	5.64	75	82%	16.5	54.1	1	.3	1.0	
		CMP 1000	304.8	31.0	14.1	.040"			5.1Ω/M'								10	.7	2.3
		CEC: CMP FT6				BC			16.7Ω/km								50	1.6	5.2
						6.4Ω/M'				100% Sweep tested. 5 MHz to 450 MHz.							100	2.2	7.2
						21.0Ω/km											200	3.0	9.8
																	400	4.6	15.1
																	700	6.6	21.6
																	900	7.7	25.3
																	1000	8.2	26.9

BC = Bare Copper • BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper
 Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of RG/U cables not listed.

Precision Video Cable for Analog and Digital

RG-59/U Type and Double Braided RG-59/U Type



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

20 AWG Solid .032" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*

SDI/HDTV Digital Video 75°C	1505A	NEC: 500 [▲] CMR 1000 [◆] CEC: 5000 [◆] CMG FT4	152.4 304.8 1524.0	15.5 35.0 165.0	7.0 15.9 74.8	20 AWG (solid) .032" BC 10.0Ω/M' 32.8Ω/km	.145 3.68	3.68	Duofoil + 95% TC Braid 3.8Ω/M' 12.5Ω/km	.233 5.92	75	83%	16.3 53.5	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.3 .6 .9 2.1 2.7 3.8 4.4 5.5 6.4 6.5 7.6 9.3 11.6 13.4	1.0 1.8 2.9 6.9 8.9 12.5 14.4 18.0 21.0 21.3 24.9 30.5 38.0 44.0
-----------------------------	--------------	---	--------------------------	-----------------------	---------------------	---	--------------	------	--	--------------	----	-----	--------------	--	---	---

*500 ft. put-up available in Black, Red or Blue only.

◆1000 ft. and 5000 ft. put-ups available in all ten colors: Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black.

Plenum • Foam FEP Teflon® Insulation • Flamarrest® Jacket (Available in 10 colors)■

SDI/HDTV Digital Video 75°C	1506A	NEC: 500 [▼] CMP 1000 CEC: CMP FT6	152.4 304.8	14.5 29.0	6.6 13.2	20 AWG (solid) .032" BC 10.0Ω/M' 32.8Ω/km	.133 3.38	3.38	Duofoil + 95% TC Braid 3.2Ω/M' 10.5Ω/km	.196 4.98	75	84%	16.1 52.8	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.3 .6 1.1 2.3 3.2 4.6 5.3 6.4 7.3 7.5 9.4 12.8 17.5 21.9	1.0 2.0 3.4 7.4 10.5 14.9 17.2 21.0 23.9 24.6 30.8 42.0 57.4 71.8
-----------------------------	--------------	--	----------------	--------------	-------------	---	--------------	------	--	--------------	----	-----	--------------	--	---	--

▼500 ft. put-up available in Black or Natural only.

■1000 ft. put-up available in all ten colors: Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, Natural or Black.

22 AWG Stranded (7x29) .031" Bare Compacted Copper Conductor* • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)

Polyethylene Insulation • PVC Jacket (Matte Red, Blue, Green, Gray or Black)

High-Flex 60°C	8281F	—	500 [†] 1000	152.4 304.8	34.5 67.0	15.7 30.4	22 AWG (7x29) .031" BCC 12.2Ω/M' 40.0Ω/km	.198 4.90	4.90	TC Double Braid 98% Shield Coverage 1.7Ω/M' 5.6Ω/km	.305 7.75	75	66%	21.0 68.9	1 3.6 10 71.5 135 270 360 540 720 750 1000	.3 .5 .9 2.5 3.6 5.1 6.0 7.4 8.7 8.9 10.5	.9 1.7 2.9 8.0 11.6 16.7 19.7 24.3 28.5 29.2 34.4
----------------	--------------	---	--------------------------	----------------	--------------	--------------	---	--------------	------	--	--------------	----	-----	--------------	--	---	---

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

22 AWG Stranded (7x29) .031" Bare Compacted Copper Conductor* • Tinned Copper/Bare Copper Double Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • PVC Jacket (Matte Black, Red, Green, Blue, Yellow, White, Orange or Purple)

High-Flex 75°C	1505F	NEC: 1000 CM CEC: CM	304.8 1524.0	45.0 165.0	20.4 74.8	22 AWG (7x29) .031" BCC 12.2Ω/M' 40.0Ω/km	.145 3.68	3.68	TC Double Braid 95% Shield Coverage 2.4Ω/M' 7.8Ω/km	.242 6.15	75	80%	17.0 55.7	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000	.2 .5 .9 2.5 3.5 5.1 6.0 7.4 8.7 8.9 10.5 13.3 16.9 20.3	.7 1.6 2.9 8.2 11.5 16.7 19.7 24.3 28.5 29.2 34.4 43.6 55.4 66.6
----------------	--------------	-------------------------------	-----------------	---------------	--------------	---	--------------	------	--	--------------	----	-----	--------------	--	---	---

*Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

BC = Bare Copper • BCC = Bare Compacted Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

Teflon is a DuPont trademark.



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

Precision Video Cable for Analog and Digital

Low Loss Serial Digital Coax

RG-6/U and RG-11/U Type



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

RG-6/U Type • 18 AWG Solid .040" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*																			
SDI/HDTV	1694A	NEC:	500 [▲]	152.4	20.5	9.3	18 AWG	.180	4.57	Duofoil + 95%	.274	6.96	75	82%	16.2	53.1	1	.2	.8
Digital Video		CMR	1000	304.8	45.0	20.5	(solid)			+ 95%							3.6	.5	1.5
75°C		CEC:	4500	1371.6	202.5	91.9	.040"			TC Braid							10	.7	2.4
		CMG FT4								2.8Ω/M'	For Plenum version of 1694A, see 1695A.						71.5	1.6	5.2
							BC		9.2Ω/km								135	2.1	6.9
							6.4Ω/M'										270	3.0	9.7
							21.0Ω/km										360	3.4	11.3
																	540	4.3	13.9
																	720	4.9	16.1
																	750	5.0	16.4
																	1000	5.9	19.3
																	1500	7.3	24.0
																	2250	9.1	30.0
																	3000	10.7	35.0

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

Gas-injected Foam HDPE Insulation • Black Low-Smoke, Zero-Halogen Jacket

LSZH and ABS Type Approved new																			
SDI/HDTV	1694SB	NEC:	1000	304.8	46.0	20.9	18 AWG	.180	4.57	Duofoil + 95%	.274	6.96	75	82%	16.2	53.1	1	.2	.8
Digital Video		CMG-LS					(solid)			+ 95%							3.6	.5	1.5
75°C		CEC:					.040"			TC Braid							10	.7	2.4
		CMG-LS FT4 Limited Smoke								2.8Ω/M'							71.5	1.6	5.2
							BC		9.2Ω/km								135	2.1	6.9
							6.4Ω/M'										270	3.0	9.7
							21.0Ω/km										360	3.4	11.3
																	540	4.3	13.9
																	720	4.9	16.1
																	750	5.0	16.4
																	1000	5.9	19.3
																	1500	7.3	24.0
																	2250	9.1	30.0
																	3000	10.7	35.0

Plenum • Foam FEP Teflon® Insulation • Flammarrest® Jacket (Available in 10 colors)**

SDI/HDTV	1695A	NEC:	500 [*]	152.4	20.5	9.3	18 AWG	.170	4.32	Duofoil + 95%	.234	5.94	75	82%	16.2	53.1	1	.2	.8
Digital Video		CMP	1000	304.8	45.0	20.5	(solid)			+ 95%							3.6	.5	1.5
75°C		CEC:					.040"			TC Braid							10	.8	2.5
		CMP FT6								2.8Ω/M'							71.5	1.8	5.8
							BC		9.2Ω/km								135	2.4	7.9
							6.4Ω/M'										270	3.4	11.2
							21.0Ω/km										360	4.0	13.1
																	540	5.2	17.1
																	720	6.1	20.0
																	750	6.2	20.3
																	1000	7.3	23.9
																	1500	9.2	30.2
																	2250	11.6	38.0
																	3000	13.7	44.9

Black jacket suitable for Indoor, Outdoor and Aerial applications.

*500 ft. put-up available in Black or Natural only.

RG-11/U Type • 14 AWG Solid .064" Bare Copper Conductor • Duofoil (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*																			
SDI/HDTV	7731A	NEC:	500 [*]	152.4	46.5	21.1	14 AWG	.280	7.11	Duofoil + 95%	.400	10.2	75	85%	16.0	52.4	1	.2	.5
Digital Video		CMR	1000	304.8	95.0	43.1	(solid)			+ 95%							3.6	.3	1.0
75°C		CEC:	4000	1219.2	388.0	176.0	.064"			TC Braid							10	.5	1.5
		CMG FT4								1.5Ω/M'							71.5	1.1	3.6
							BC		4.9Ω/km								135	1.5	4.8
							2.5Ω/M'										270	2.1	6.9
							8.2Ω/km										360	2.5	8.0
																	540	3.1	10.0
																	720	3.6	11.7
																	750	3.7	12.0
																	1000	4.3	14.1
																	1500	5.5	18.0
																	2250	6.9	22.6
																	3000	8.2	26.9

*500 ft. put-up available in Red or Black only.

Plenum • Foam FEP Teflon Insulation • Fluorocopolymer Jacket (Available in 10 colors)**

SDI/HDTV	7732A	NEC:	500 [*]	152.4	45.0	20.5	14 AWG	.274	6.96	Duofoil + 95%	.348	8.84	75	83%	16.3	53.5	1	.2	.5
Digital Video		CMP	1000	304.8	90.0	40.8	(solid)			+ 95%							3.6	.3	.9
150°C		CEC:	2000 [▽]	609.6	176.0	80.0	.064"			TC Braid							10	.4	1.3
		CMP FT6								1.6Ω/M'							71.5	1.2	4.1
							BC		5.3Ω/km								135	1.8	5.8
							2.5Ω/M'										270	2.6	8.5
							8.2Ω/km										360	3.1	10.2
																	540	3.9	12.8
																	720	4.6	15.0
																	750	4.7	15.4
																	1000	5.5	18.0
																	1500	6.9	22.7
																	2250	9.2	30.2
																	3000	10.2	33.5

*500 ft. put-up available in Black or Natural only.

▽2000 ft. put-up available in Natural only.

Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Teflon is a DuPont trademark.

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of RG-U cables not listed.

* Available in Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or White.

** Available in Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or Natural.



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

RGB Component Video Cable

Miniature Hi-Res Component Video Cables

CMR and CMP Rated



19 • Brilliance® Broadcast

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	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 • 25 AWG Solid .018" Tinned Copper Conductors • Duobond® (100% Coverage) + TC Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • Black PVC Jacket																					
	1281R	NEC:	1	1000	304.8	8.0	3.6	25 AWG (solid)	.074	1.88	Duobond (100%)	.114	2.90	75	80%	17.0	55.8	1	.5	1.7	
	new	CMR						.018" TC			+ TC Braid							5	1.2	3.8	
		CEC:							34.0Ω/M'			5.4Ω/M'							50	3.7	12.1
		CMG							111.6Ω/km			17.7Ω/km							100	4.9	16.1
																			200	6.7	22.0
																			400	9.5	31.2
																			700	13.4	44.0
																		900	15.0	49.2	
																		1000	15.8	51.8	
																		3000	31.2	102.4	

Plenum • PFPA Insulation • Black Flamarrest® Jacket																					
	1282P	NEC:	1	1000	304.8	10.0	4.5	25 AWG (solid)	.074	1.88	Duobond (100%)	.114	2.90	75	81%	17.0	55.8	1	.4	1.3	
	new	CMP						.018" TC			+ TC Braid							5	.9	3.0	
		CEC:							31.8Ω/M'			5.8Ω/M'							50	3.7	12.1
		CMP FT6							104.3Ω/km			19.0Ω/km							100	5.0	16.4
																			200	7.0	23.0
																			400	10.0	32.8
																			700	14.5	47.6
																		900	17.0	55.8	
																		1000	17.5	57.4	
																		3000	37.0	121.4	

Miniature • 25 AWG Solid .018" Tinned Copper Conductors • Duobond® (100% Coverage) + TC Interlocked Serve Shield (95% Coverage)

PFPA Insulation • PVC Inner Jackets (Color Code: See chart below) • Overall Black Matte PVC Jacket																					
	1277R	NEC:	3	500	152.4	25.5	11.6	25 AWG (solid)	.074	1.88	Duobond (100%)	Single: .114	2.90	75	80%	17.0	55.8	1	.5	1.7	
	new	CMR		1000	304.8	48.0	21.8	.018" TC			+ TC Serve	Overall: .320	8.13					5	1.2	3.8	
		CEC:							34.0Ω/M'			5.4Ω/M'							50	3.7	12.1
		CMG							111.6Ω/km			17.7Ω/km							100	4.9	16.1
																			200	6.7	22.0
																			400	9.5	31.2
																			750	13.4	44.0
																		900	15.0	49.2	
																		1000	15.8	51.8	
																		3000	31.2	102.4	

Bundled version of 1281R.
100% Sweep Tested. 5 MHz to 850 MHz.
Guaranteed Return Loss -20dB Max.

Plenum • PFPA Insulation • PVDF Inner Jackets (Color Code: See chart below) • Overall Gray PVC Jacket																					
	1277P	NEC:	3	500	152.4	19.0	8.6	25 AWG (solid)	.074	1.88	Duobond (100%)	Single: .111	2.82	75	81%	16.8	55.1	1	.5	1.6	
	new	CMP		1000	304.8	41.0	18.6	.018" TC			+ TC Serve	Overall: .276	7.01					5	1.2	3.9	
		CEC:							34.0Ω/M'			5.4Ω/M'							50	3.8	12.5
		CMP							111.6Ω/km			17.7Ω/km							100	5.2	17.1
																			200	7.1	23.3
																			400	10.0	32.8
																			750	14.3	46.9
																		1000	16.9	55.5	
																		2250	25.5	83.7	
																		3000	33.9	111.2	

Bundled version of 1282P.
100% Sweep Tested. 5 MHz to 850 MHz.
Guaranteed Return Loss -20dB Max.

DCR = DC Resistance • PFPA = Foam Perfluoroalkoxy • HDPE = High-density Polyethylene • PVDF = Fluorocopolymer • TC = Tinned Copper
Contact the Belden Customer Service Department for a more Comprehensive Connector Cross Reference: 1-800-BELDEN-1.
Request quotations of cables not listed.

Jacket Color Code Chart:

Cond.	Color	Cond.	Color
1	Red	4	Yellow
2	Green	5	Black
3	Blue	6	White



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

RGB Component Video Cable

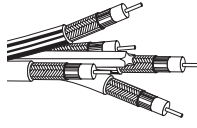
Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video
CMR and CMP Rated



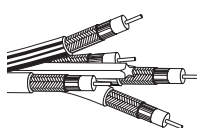
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
				Ft.	m	Lbs.	kg		Inch	mm		Inch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

Miniature • 25 AWG Solid .018" TC Conductors • Duobond® (100% Coverage) + TC Interlocked Serve Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • PVC Jackets (Color Code: See chart below) • Center Spine • No Overall Jacket

	1281S3 <small>new</small>	NEC: CMR CEC: CMG	3	500 [†] 1000 [†]	152.4 304.8	17.0 31.0	7.7 14.1	25 AWG (solid) .018" TC 34.0Ω/M' 111.6Ω/km	.074	1.88	Duobond (100%) + TC Serve (95%) 5.4Ω/M' 17.7Ω/km	Single: .114 2.90 Overall: .246 6.25	75	80%	17.0 55.8	1 50 5 1.2 100 4.9 200 6.7 400 9.5 750 13.4 900 15.0 1000 15.8 3000 31.2	.52 1.2 3.7 4.9 6.7 9.5 13.4 15.0 15.8 31.2	1.6 3.8 12.1 16.1 22.0 31.2 44.0 49.2 51.8 102.4	
	1281S4 <small>new</small>	NEC: CMR CEC: CMG	4	500 [†] 1000 [†]	152.4 304.8	23.5 44.0	10.7 20.0	same as above	.074	1.88	same as above	Single: .114 2.90 Overall: .275 6.99							
	1281S5 <small>new</small>	NEC: CMR CEC: CMG	5*	250 [†] 500 [†] 1000 [†]	76.2 152.4 304.8	16.0 28.5 55.0	7.3 12.9 25.0	same as above	.074	1.88	same as above	Single: .114 2.90 Overall: .308 7.82							
	1281S6 <small>new</small>	NEC: CMR CEC: CMG FT4	6*	500 [†] 1000 [†]	152.4 304.8	33.5 68.0	15.2 30.8	same as above	.074	1.88	same as above	Single: .114 2.90 Overall: .342 8.69							

Plenum • FPFA • Flamarrest® Jackets (Color Code: See chart below) • Center Spine • No Overall Jacket

	1282S3 <small>new</small>	NEC: CMP CEC: CMP	3	500 1000	152.4 304.8	18.5 34.0	8.4 15.4	25 AWG (solid) .018" TC 34.0Ω/M' 111.6Ω/km	.075	1.91	Duobond (100%) + TC Serve (95%) 5.4Ω/M' 17.7Ω/km	Single: .114 2.90 Overall: .246 6.25	75	81%	16.8 55.1	1 50 5 1.2 100 5.2 200 7.1 400 10.0 750 14.3 1000 16.9 2250 25.5 3000 33.9	.50 1.2 3.8 5.2 7.1 10.0 14.3 16.9 25.5 33.9	1.6 3.9 12.1 17.1 23.1 32.9 47.0 55.4 83.6 111.3	
	1282S4 <small>new</small>	NEC: CMP CEC: CMP	4	500 1000	152.4 304.8	25.5 49.0	11.6 22.2	same as above	.075	1.91	same as above	Single: .114 2.90 Overall: .275 6.99							
	1282S5 <small>new</small>	NEC: CMP CEC: CMP	5*	250 500 1000	76.2 152.4 304.8	18.0 33.0 67.0	8.2 15.0 30.4	same as above	.075	1.91	same as above	Single: .114 2.90 Overall: .308 7.82							
	1282S6 <small>new</small>	NEC: CMP CEC: CMP	6*	500 1000	152.4 304.8	39.5 80.0	17.9 36.3	same as above	.075	1.91	same as above	Single: .114 2.90 Overall: .342 8.69							

DCR = DC Resistance • FPFA = Foam Perfluoroalkoxy • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a more Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of cables not listed.

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

*Also available with all Black jackets.

Color Code Chart:

Cond.	Color	Cond.	Color
1	Red	4	Yellow
2	Green	5	Black
3	Blue	6	White

RJ-45 Cables for Audio and Video Applications

4-Pair UTP Cables for RGB Video

NanoSkew™ Non-Data and Brilliance VideoTwist® Low-Skew Data Rated Types



For economy, some system designers seek to use UTP (unshielded twisted pair) cable for video applications. However, Digital Video and Digital Data are processed and viewed differently. Digital Video contains much more information, requiring more bandwidth than Ethernet data. In addition, video has to be streaming — viewable live and continuously — whereas data can be sent in packets, resent as necessary, and given time to recompile. Such delays are unacceptable in video. Be cautious, digital signals are not all the same thing!

Delay Skew should be kept to a minimum for component video and RGB applications for better picture quality and the ability to transmit over longer distances. Delay skew is the difference in the time of arrival of the components transmitted over different cable components — pairs in the case of UTP. Skew is inherent in all cables, but especially in UTP cables because the pairs are normally

twisted to differing degrees for Ethernet data purposes, specifically to reduce crosstalk. Obviously picture clarity is lost when the red, green, and blue components arrive out of time with each other, and varying twist rates cause exactly that to occur.

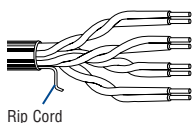
Cables in this section are NanoSkew, a UTP cable with no Ethernet data rating (all pairs have the same twist rate), and Brilliance VideoTwist Cat 5e and Cat 6 rated cables with lower, carefully monitored skew relative to standard data cables. Cables designed only for data applications meet their own skew requirements, but those are too high for better video transmission, and may be varied by manufacturers without notice. For guaranteed low and consistent skew performance from UTP cables, only NanoSkew or VideoTwist should be used. The Cat 5e and Cat 6 rated versions are ideal for KVM and blade-edge computer applications.

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω/100m)	Nom. Imped. (Ω)	Min. RL (dB)	Freq. (MHz)	Max. Atten. (dB/100m)
				Ft.	m	Lbs.	kg	Inch	mm					

Nanoskew™ 24 AWG Solid BC Conductors • Twisted Pairs • Skew 2.2ns/100m nom. • Rip cord • See Color Code Chart (below)

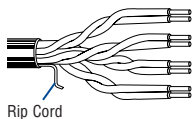
Non-Plenum • Polyolefin Insulation • Maroon PVC Jacket

300V RMS	7987R <small>new</small>	NEC: CMR CEC: CMG	4	U-1000 U-1640	U-304.8 U-500.0	20.0 32.8	9.1 14.9	.195	4.95	9.0	100	15.0	1	2.0
													4	4.1
													8	5.8
													10	6.5
													16	8.2
													20	9.3
													25	10.4
													31.25	11.7
													62.5	17.0
													100	22.0
													155	28.1
													200	32.0
													250*	36.4
													350*	44.8



Plenum • FEP Insulation • Maroon Flamarrest® PVC Jacket

300V RMS	7987P <small>new</small>	NEC: CMP CEC: CMP	4	U-1000 U-1640	U-304.8 U-500.0	22.0 36.1	10.0 16.4	.200	5.08	9.0	100	15.0	(same as above)
----------	-----------------------------	----------------------------	---	------------------	--------------------	--------------	--------------	------	------	-----	-----	------	-----------------



Third party verified to TIA/EIA-568-B.2, Category 5e

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

*Values provided for information only.

Color Codes: DataTwist 5e

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

RJ-45 Cables for Audio and Video Applications

4-Pair UTP Cables for RGB Video & Wireless LAN

NanoSkew® Non-Data and Brilliance VideoTwist® Low-Skew Data Rated Types

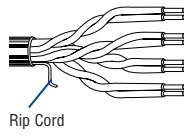


19 • Brilliance® Broadcast

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Insulation Thickness		Nominal OD		Max. DCR (Ω/100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/100m)	Freq. (MHz)	Max. Atten. (dB/100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/100m)	Min. PSUM ELFEXT (dB/100m)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm	Inch	mm										

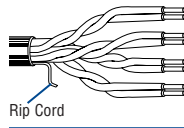
Nanoskew™ Category 5e • 24 AWG Bonded-Pairs Solid Bare Copper Conductors • Skew 9.0ns/100m Nominal • Rip Cord

Non-Plenum • Polyolefin Insulation (Color Code: See Chart Below) • Green PVC Jacket																				
300V RMS	7988R <small>new</small>	NEC: CMR CEC: CMG FT4	4	U-1000 U-1640	U-304.8 U-500.0	22.0 36.1	10.0 16.4	.008 .20	.20 .204	5.18	9.0	3.0	66.0	1	2.0	65.3	60.3	60.8	100±15	20.0
														4	4.1	53.3	49.2	48.7	100±15	23.0
														8	5.8	48.8	43.0	42.7	100±15	24.5
														10	6.5	47.3	40.8	40.8	100±15	25.0
														16	8.2	44.3	36.0	36.7	100±15	25.0
														20	9.3	42.8	33.5	34.7	100±15	25.0
														25	10.4	41.3	30.9	32.8	100±15	24.3
														31.25	11.7	39.9	28.2	30.9	100±15	23.6
														62.5	17.0	35.4	18.4	24.8	100±15	21.5
														100	22.0	32.3	10.3	20.8	100±15	20.1
														155	28.1	29.5	2.0	16.9	100±25	15.8
														200	32.4	27.8	1.0	14.7	100±25	15.0



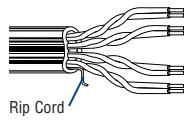
Plenum • FEP Insulation (Color Code: See Chart Below) • Green Flamarrest® Jacket

300V RMS	7988P <small>new</small>	NEC: CMP CEC: CMP FT6	4	U-1000 U-1640	U-304.8 U-500.0	23.0 37.7	10.4 17.1	.008 .20	.20 .193	4.90	9.0	3.0	66.0	(same as 7988R above)						
----------	------------------------------------	--------------------------	---	------------------	--------------------	--------------	--------------	-------------	-------------	------	-----	-----	------	-----------------------	--	--	--	--	--	--



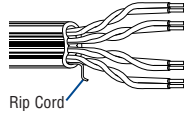
Nanoskew™ Category 6 • 23 AWG Bonded-Pairs Solid Bare Copper Conductors • Skew 10.0ns/100m Nominal • Rip Cord

Non-Plenum • Polypropylene Insulation (Color Code: See Chart Below) • Blue PVC Jacket																				
300V RMS	7989R <small>new</small>	NEC: CMR CEC: CMG FT4	4	1000 1640	304.8 500.0	32.0 52.5	14.5 23.8	.009 .23	.23 .365	9.27	9.0	3.0	49.2	1	2.0	72.3	70.3	64.8	100±15	20.0
														4	3.8	63.3	59.5	52.7	100±15	23.0
														8	5.3	58.8	53.4	46.7	100±15	24.5
														10	6.0	57.3	51.3	44.8	100±15	25.0
														16	7.6	54.3	46.7	40.7	100±15	25.0
														20	8.5	52.8	44.3	38.7	100±15	25.0
														25	9.5	51.4	41.8	36.8	100±15	24.3
														31.25	10.7	49.9	39.2	34.9	100±15	23.6
														62.5	15.4	45.4	30.0	28.8	100±15	21.5
														100	19.8	42.3	22.5	24.8	100±15	20.1
														155	25.2	39.5	14.3	20.9	100±22	18.8
														200	29.0	37.8	8.8	18.7	100±22	18.0
														250	32.8	36.3	3.5	16.8	100±32	17.3



Plenum • FEP Teflon® Insulation (Color Code: See Chart Below) • Blue Flamarrest Jacket

300V RMS	7989P <small>new</small>	NEC: CMP CEC: CMP FT6	4	1000 1640	304.8 500.0	41.0 62.3	18.6 28.3	.009 .23	.23 .365	9.27	9.0	3.0	49.2	(same as 7989R above)						



ACR = Attenuation Crosstalk Ratio • BC = Bare Copper • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • FEP = Fluorinated Ethylene Propylene • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • TC = Tinned Copper • UTP = Unshielded Twisted Pair(s)

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

Teflon is a DuPont trademark.

Color Codes

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown



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

S-Video Cable

High-Flex S-Video Cables



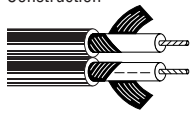
The S-video format, also known as Y/C or Super VHS (SVHS) video, requires two coaxial cables to allow for separate transmission of the two parts of a VHS video signal; the luminance (Y) and chrominance (C). The chrominance signal contains the color information and the luminance the black and white or brightness information of the video signal. This separated transmission of the VHS video signal provides better picture resolution with less noise than does the standard VHS format.

Belden's S-Video cables have been designed specifically for use in this format. Belden's S-Video cables are available in two popular constructions; a Zip style dual coax and a Round jacketed version. The Zip construction provides for quick and easy termination. The Round design provides better aesthetics and is more rugged. Both cables are highly flexible.

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

30 AWG Stranded (7x38) .012" Tinned Copper Conductors • Tinned Copper Serve Shield (90% Coverage)

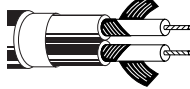
Foam HDPE Insulation • Matte Black PVC Jacket (One Coax Printed and Striped for Identification)																				
Parallel Zip Construction	1807A	—	U-500	U-152.4	8.0	3.6	30 AWG (7x38) .012" TC 100.0Ω/M' 328.0Ω/km	.058	1.47	TC Serve	.110	2.79	75	78%	17.3	56.7	1	.6	2.0	
			500	152.4	7.5	3.4					90% Shield	x					x	5	1.4	4.6
			U-1000	U-304.8	15.0	6.8					Coverage	.230					5.84	10	2.1	6.9
			1000	304.8	14.0	6.4					TC							30	3.8	12.5
											7.5Ω/M'							50	5.1	16.7
											24.6Ω/km							100	7.6	24.9
																	200	11.3	37.1	
																	400	16.9	55.4	
																	700	23.3	76.4	
																	900	26.9	88.2	
																	1000	28.6	93.8	



For Plenum version of 1807A, see 7700A.

Foam HDPE Insulation • Matte Black PVC Jacket (Inner PVC Jackets Color Code: Black and Yellow)

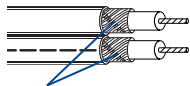
Round Construction	1808A	—	U-500	U-152.4	14.5	6.6	30 AWG (7x38) .013" TC 100.0Ω/M' 328.0Ω/km	.058	1.47	TC Serve	.255	.84	75	78%	17.3	56.7	1	.6	2.0	
			500	152.4	16.5	7.5					90% Shield							5	1.4	4.6
			U-1000	U-304.8	31.0	14.1					Coverage	.100					2.54	10	2.1	6.9
			1000	304.8	33.0	15.0					TC							30	3.8	12.5
											7.5Ω/M'							50	5.1	16.7
											24.6Ω/km							100	7.6	24.9
																	200	11.3	37.1	
																	400	16.9	55.4	
																	700	23.3	76.4	
																	900	26.9	88.2	
																	1000	28.6	93.8	



Available in Plenum versions by special order only.

30 AWG Stranded (7x38) .012" Tinned Copper Conductors • Tinned Copper "French Braid" Shield (98% Coverage)

Plenum • Foam FEP Teflon® Insulation • Black Flamarrest® Jacket (One Coax Printed and Striped for Identification)																				
Parallel Zip Construction	7700A	NEC: CMP CEC: CMP FT6	500	152.4	8.5	3.9	30 AWG (7x38) .012" TC 100.0Ω/M' 328.0Ω/km	.053	1.35	TC	.107	2.72	75	78%	17.3	56.7	1	.7	2.3	
			1000	304.8	17.0	7.7					"French Braid"	x					x	5	1.7	5.6
											98% Shield	.214					5.44	10	2.3	7.5
											Coverage							30	4.1	13.4
											7.5Ω/M'							50	5.3	17.4
											24.6Ω/km							100	7.6	24.9
																	200	11.8	38.7	
																	400	17.6	57.7	
																	700	24.2	79.4	
																	900	28.0	91.8	
																	1000	29.8	97.7	



DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Wire & Cable Customer Service Department for a more Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of cables not listed.

Teflon is a DuPont trademark.



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

Security and Alarm Cable

Commercial Applications
Unshielded, Plenum-Rated



Unshielded Multi-conductor

CMP FT6 Rated

Product Description

Bare copper conductors, Flamarrest® insulation, conductors cabled, Natural Flamarrest jacket, rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	.009" (.229mm)
Jacket	Flamarrest
Approvals	NEC CMP CEC CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls

Solid Conductor



Stranded Conductor



Color Code Chart

Cond. No.	Color	Cond. No.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Purple
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

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 Multi-conductor (NEC CMP and CEC CMP FT6)

22 AWG										
6520UE	2	solid	U-1000 1000	U-305 305	10.0 9.0	4.5 4.1	.015	.38	.118	3.00
6500UE	2	7	C-500 C-1000 U-1000 1000	C-152 C-305 U-305 305	4.5 9.0 10.0 10.0	2.0 4.1 4.5 4.5	.015	.38	.124	3.15
6521UE	3	solid	1000	305	13.0	5.9	.015	.38	.125	3.18
6501UE	3	7	U-1000 1000	U-305 305	14.0 13.0	6.4 5.9	.015	.38	.131	3.33
6522UE	4	solid	U-500 U-1000 1000	U-152 U-305 305	8.5 17.0 16.0	3.9 7.7 7.3	.015	.38	.136	3.45
6502UE	4	7	C-500 U-500 500 U-1000 1000	C-152 U-152 152 U-305 305	8.0 9.0 8.5 17.0 17.0	3.6 4.1 3.9 7.7 7.7	.015	.38	.143	3.63
6524UE	6	solid	C-500 U-1000	C-152 U-305	10.5 23.0	4.8 10.5	.015	.38	.162	4.11
6504UE	6	7	C-500 500 U-1000 1000	C-152 152 U-305 305	11.0 12.0 24.0 24.0	5.0 5.5 10.9 10.9	.015	.38	.171	4.34
6506UE	8	7	U-500 U-1000 1000	U-152 U-305 305	15.5 30.0 31.0	7.0 13.6 14.1	.015	.38	.186	4.72
6508UE	10	7	U-1000 1000	U-305 305	37.0 43.0	16.8 19.5	.015	.38	.218	5.54
6509UE	12	7	U-500 U-1000 1000	U-152 U-305 305	22.5 43.0 45.0	10.2 19.5 20.4	.015	.38	.225	5.72
20 AWG										
6400UE	2	7	C-500 500 U-1000 1000	C-152 152 U-305 305	6.0 7.0 14.0 14.0	2.7 3.2 6.4 6.4	.015	.38	.138	3.51
6401UE	3	7	U-1000 1000 5000	U-305 305 1524	19.0 18.0 90.0	8.6 8.2 40.9	.015	.38	.146	3.71
6402UE	4	7	U-1000 1000	U-305 305	24.0 24.0	10.9 10.9	.015	.38	.160	4.06
6403UE	5	7	U-1000 1000	U-305 305	28.0 28.0	12.7 12.7	.015	.38	.176	4.47
6406UE	8	7	1000	305	44.0	20.0	.015	.38	.209	5.31

Security and Alarm Cable

Commercial Applications
Unshielded, Plenum-Rated



Unshielded Multi-conductor (cont'd.)
CMP FT6 Rated

Product Description

Bare copper conductors, Flamarrest® insulation, conductors cabled, Natural Flamarrest jacket, rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	.009" (.229mm)
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls

Solid Conductor



Stranded Conductor



Color Code Chart

Cond. No.	Color	Cond. No.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Purple
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

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 Multi-conductor (NEC CMP and CEC CMP FT6)

18 AWG										
6320UE	2	solid	U-1000	U-305	17.0	7.7	.015	.38	.147	3.73
6300UE*	2	7	C-500	C-152	8.0	3.6	.015	.38	.157	3.99
			U-500	U-152	9.5	4.3				
			500	152	9.0	4.1				
			U-1000	U-305	18.0	8.2				
			1000	305	18.0	8.2				
5000	1520	90.0	40.8							
6321UE	3	solid	U-1000	U-305	24.0	10.9	.015	.38	.156	3.96
			1000	305	24.0	10.9				
6301UE	3	7	500	152	12.5	5.7	.015	.38	.168	4.27
			U-1000	U-305	25.0	11.4				
			1000	305	25.0	11.4				
6322UE	4	solid	U-1000	U-305	30.0	13.6	.015	.38	.171	4.34
6302UE	4	7	C-250	C-76	8.5	3.9	.015	.38	.186	4.72
			C-500	C-152	17.0	7.7				
			U-500	U-152	18.5	8.4				
			500	152	18.5	8.4				
			U-1000	U-305	36.0	16.4				
1000	305	39.0	17.7							
5000	1524	180.0	81.7							
6303UE	5	7	U-1000	U-305	39.0	17.7	.015	.38	.203	5.16
			1000	305	40.0	18.1				
6304UE	6	7	U-500	U-152	23.5	10.7	.015	.38	.222	5.64
			500	152	23.0	10.4				
			1000	305	51.0	23.2				
6306UE	8	7	500	152	30.5	13.9	.015	.38	.242	6.15
			1000	305	65.0	29.5				
6307UE	9	7	1000	305	68.0	30.9	.015	.38	.262	6.65
6308UE	10	7	1000	305	75.0	34.1	.015	.38	.286	7.26
6309UE	12	7	1000	305	84.0	38.2	.015	.38	.296	7.52
16 AWG										
6200UE	2	19	500	152	13.0	5.9	.015	.38	.180	4.57
			U-1000	U-305	25.0	11.3				
			1000	305	26.0	11.8				
6201UE	3	19	500	152	18.0	8.2	.015	.38	.191	4.85
			U-1000	U-305	36.0	16.4				
			1000	305	37.0	16.8				
6202UE	4	19	500	152	24.0	10.9	.015	.38	.211	5.36
			U-1000	U-305	46.0	20.9				
			1000	305	52.0	23.6				

*6300UE also available in Gray and Black.

Security and Alarm Cable

Commercial Applications
Unshielded, Plenum-Rated



Unshielded Multi-conductor

CL2P Rated

Product Description

Bare copper conductors, Flamarrest® insulation, conductors cabled, Natural Flamarrest jacket, rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	.011" (.279mm)
Jacket	Flamarrest
Approvals	
NEC	CL2P
NEC Articles	725
Voltage Rating	150V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls



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 Multi-conductor (NEC CL2P)

14 AWG										
6100UE	2	19	500	152	19.5	8.8	.015	.38	.222	5.64
			U-1000	U-305	38.0	17.2				
			1000	305	38.0	17.2				
			5000	1524	195.0	88.5				
6101UE	3	19	1000	305	56.0	25.4	.015	.38	.236	5.99
6102UE	4	19	1000	305	73.0	33.2	.015	.38	.261	6.63
12 AWG										
6000UE	2	19	500	152	32.0	14.5	.015	.38	.256	6.50
			1000	305	58.0	26.4				
6001UE	3	19	1000	305	83.0	37.7	.015	.38	.273	6.93
6002UE	4	19	1000	305	111.0	50.4	.018	.46	.308	7.82

Color Code Chart

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

Security and Alarm Cable

Commercial Applications
Shielded, Plenum-Rated



Shielded Multi-conductor CMP FT6 Rated

Product Description

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

Color Code: See chart below.

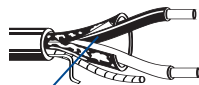
Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	.009" (.229mm)
Shield	Beldfoil
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

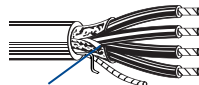
- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls

Solid Conductor



Shorting Fold

Stranded Conductor



Shorting Fold

Color Code Chart

Cond. No.	Color	Cond. No.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Purple
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

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																	
6520FE	2	solid	C-500	C-152	6.0	2.7	.015	.38	.122	3.10							
			C-1000	C-305	12.0	5.4											
			U-1000	U-305	13.0	5.9											
6500FE	2	7	C-500	C-152	5.5	2.5	.015	.38	.128	3.25							
			U-500	U-152	7.0	3.2											
			500	152	7.0	3.2											
			C-1000	C-305	11.0	5.0											
			U-1000	U-305	13.0	5.9											
6521FE	3	solid	1000	305	16.0	7.3	.015	.38	.129	3.28							
			6501FE	3	7	500					152	8.0	3.6	.015	.38	.135	3.43
						U-1000					U-305	16.0	7.3				
6502FE	4	7	C-500	C-152	9.0	4.1	.015	.38	.147	3.73							
			500	152	10.0	4.5											
			U-1000	U-305	19.0	8.6											
6504FE	6	7	C-500	C-152	9.0	4.1	.015	.38	.175	4.45							
			U-500	U-152	13.5	6.1											
			500	152	13.5	6.1											
			U-1000	U-305	26.0	11.8											
			1000	305	26.0	11.8											
6506FE	8	7	U-1000	U-305	33.0	15.0	.015	.38	.190	4.83							
			1000	305	35.0	15.9											
6508FE	10	7	U-1000	U-305	40.0	18.1	.015	.38	.222	5.64							
			1000	305	42.0	19.0											
20 AWG																	
6420FE	2	solid	C-500	C-152	7.0	3.2	.015	.38	.134	3.40							
			U-1000	U-305	16.0	7.3											
			1000	305	15.0	6.8											
6400FE	2	7	C-500	C-152	7.5	3.4	.015	.38	.142	3.61							
			U-1000	U-305	17.0	7.7											
			1000	305	17.0	7.7											
6401FE	3	7	U-1000	U-305	21.0	9.5	.015	.38	.150	3.81							
			1000	305	22.0	10.0											
6402FE	4	7	U-1000	U-305	26.0	11.8	.015	.38	.164	4.17							
			1000	305	27.0	12.3											
6405FE	7	7	1000	305	41.0	18.6	.015	.38	.196	4.97							
6407FE	9	7	1000	305	52.0	23.6	.015	.38	.229	5.82							

Security and Alarm Cable

Commercial Applications
Shielded, Plenum-Rated



Shielded Multi-conductor (cont'd.)
CMP FT6 Rated or CL2P Rated

Product Description

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

Color Code: See chart below.

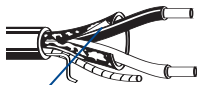
Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	
18 and 16 AWG	.009" (.229mm)
14 and 12 AWG	.011" (.279mm)
Shield	Beldfoil
Jacket	Flamarrest
Approvals	
NEC (18 and 16 AWG)	CMP
CEC (18 and 16 AWG)	CMP FT6
NEC (14 and 12 AWG)	CL2P
NEC Articles	
18 and 16 AWG	800
14 and 12 AWG	725
Voltage Rating	
18 and 16 AWG	300V
14 and 12 AWG	150V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls

Solid Conductor



Shorting Fold

Stranded Conductor



Shorting Fold

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)

18 AWG										
6320FE	2	solid	C-500 1000	C-152 305	10.5 22.0	4.8 10.0	.015	.38	.150	3.89
6300FE	2	7	C-500 U-500 500 U-1000 1000	C-152 U-152 152 U-305 305	11.0 12.0 12.0 23.0 23.0	5.0 5.4 5.4 10.4 10.4	.015	.38	.162	4.11
6301FE	3	7	U-500 U-1000 1000	U-152 U-305 305	15.5 30.0 31.0	7.0 13.6 14.1	.015	.38	.172	4.37
6302FE	4	7	C-250 U-500 500 U-1000 1000	C-76 U-152 152 U-305 305	8.8 19.5 19.0 37.0 37.0	4.0 8.9 8.6 16.8 16.8	.015	.38	.188	4.78
6304FE	6	7	C-250 U-500 1000	C-76 U-152 305	12.0 25.5 52.0	5.4 11.6 23.6	.015	.38	.226	5.74
6306FE	8	7	1000	305	66.0	30.0	.015	.38	.246	6.25
6307FE	9	7	500 1000	152 305	39.5 73.0	18.0 33.2	.015	.38	.266	6.76
6309FE	12	7	500 1000	152 305	50.5 99.0	22.9 45.0	.018	.46	.306	7.77

16 AWG										
6200FE	2	19	500 1000	152 305	16.5 33.0	7.5 15.0	.015	.38	.184	4.67
6201FE	3	19	500 U-1000 1000	152 U-305 305	22.5 43.0 45.0	10.2 19.5 20.5	.015	.38	.195	4.95
6202FE	4	19	500 1000	152 305	29.0 59.0	13.2 26.8	.015	.38	.215	5.46

Shielded Multi-conductor (NEC CL2P)

14 AWG										
6100FE	2	19	500 U-1000 1000	152 U-305 305	25.0 49.0 51.0	11.3 22.2 23.1	.015	.38	.220	5.59
6101FE	3	19	1000	305	66.0	29.9	.015	.38	.234	5.94

12 AWG										
6000FE	2	19	500 1000	152 305	36.0 68.0	16.4 30.9	.015	.38	.260	6.60

Color Code Chart (18 to 16 AWG)

Cond. No.	Color	Cond. No.	Color
1	Black	7	Orange
2	Red	8	Yellow
3	White	9	Purple
4	Green	10	Gray
5	Brown	11	Pink
6	Blue	12	Tan

(14 to 12 AWG)

Cond. No.	Color
1	Black
2	White
3	Red

Security and Alarm Cable

Commercial Applications
Unshielded, Plenum-Rated



Unshielded Twisted Pairs

CMP FT6 Rated

Product Description

Bare copper conductors, Flamarrest® insulation, twisted into pairs, multiple pairs cabled together, Natural Flamarrest jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

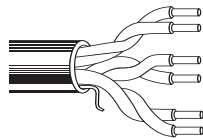
Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	.009" (.229mm)
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

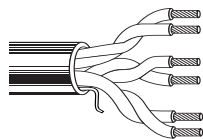
Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls

Solid Conductor



Stranded Conductor



Color Code Chart

Pair No.	Color Combination	Pair No.	Color Combination
1	Black & Red	6	Black & Brown
2	Black & White	7	Black & Orange
3	Black & Green	8	Red & White
4	Black & Blue	9	Red & Green
5	Black & Yellow		

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

Unshielded Twisted Pairs (NEC CMP and CEC CMP FT6)

22 AWG										
6561UE	2	solid	1000	305	19.0	8.6	.015	.38	.188	4.78
6541UE	2	7	U-1000 1000	U-305 305	19.0 20.0	8.6 9.1	.015	.38	.199	5.05
6542UE	3	7	1000	305	27.0	12.2	.015	.38	.212	5.38
6543UE	4	7	1000	305	34.0	15.4	.015	.38	.234	5.94
6545UE	6	7	1000	305	47.0	21.4	.015	.38	.264	6.71
6547UE	9	7	1000	305	69.0	31.4	.018	.46	.318	8.08
18 AWG										
6341UE	2	7	500 U-1000 1000	152 U-305 305	21.0 36.0 38.0	9.5 16.3 17.3	.015	.38	.260	6.60
6342UE	3	7	U-1000 1000	U-305 305	48.0 50.0	21.8 22.7	.015	.38	.278	7.06
6343UE	4	7	500 1000	152 305	37.5 66.0	17.0 30.0	.015	.38	.314	7.98
6345UE	6	7	1000	305	95.0	43.2	.018	.46	.355	9.02
6347UE	9	7	1000	305	138.0	62.7	.019	.48	.423	10.74

Security and Alarm Cable

Commercial Applications
Shielded, Plenum-Rated



Overall Shielded Twisted Pairs CMP FT6 Rated

Product Description

Bare copper conductors, Flamarrest® insulation, twisted into pairs, multiple pairs cabled together, overall Beldfoil® shield tape (foil side out) with drain wire, Natural Flamarrest jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

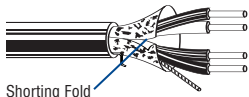
Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	.009" (.229mm)
Shield	Beldfoil
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

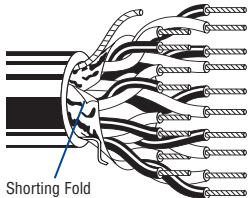
Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls

Solid Conductor



Stranded Conductor



Color Code Chart

Pair No.	Color Combination	Pair No.	Color Combination
1	Black & Red	6	Black & Brown
2	Black & White	7	Black & Orange
3	Black & Green	8	Red & White
4	Black & Blue	9	Red & Green
5	Black & Yellow		

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

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

22 AWG										
6561FE	2	solid	1000	305	21.0	9.5	.015	.38	.193	4.90
6541FE	2	7	U-500	U-152	11.5	5.2	.015	.38	.203	5.16
			U-1000	U-305	22.0	10.0				
6542FE	3	7	1000	305	23.0	10.4	.015	.38	.216	5.49
			U-1000	U-305	28.0	12.7				
6543FE	4	7	U-1000	U-305	35.0	15.9	.015	.38	.238	6.05
			1000	305	41.0	18.6				
6545FE	6	7	U-1000	U-305	48.0	21.8	.015	.38	.268	6.80
			1000	305	50.0	22.7				
6547FE	9	7	1000	305	72.0	32.7	.018	.46	.323	8.20
20 AWG										
6441FE	2	7	1000	305	31.0	14.1	.015	.38	.228	5.79
6443FE	4	7	U-1000	U-305	49.0	22.2	.015	.38	.269	6.83
			1000	305	51.0	23.2				
18 AWG										
6342FE	3	7	500	152	28.0	12.7	.015	.38	.282	7.16
			1000	305	56.0	25.5				
6343FE	4	7	500	152	39.5	18.0	.015	.38	.318	8.08
			1000	305	74.0	33.6				
6345FE	6	7	500	152	50.0	22.7	.018	.46	.359	9.12
			1000	305	101.0	45.9				
6347FE	9	7	1000	305	145.0	65.8	.019	.48	.427	10.85

Security and Alarm Cable

Commercial Applications
Shielded, Plenum-Rated



Shielded

Twisted Pair plus Conductor(s)

CMP FT6 Rated

Product Description

Bare copper conductors, Flamarrest® insulation, Black/Red twisted pair shielded with Beldfoil® tape (aluminum side facing in), drain wire, cabled with additional insulated conductor(s) as indicated, Natural Flamarrest jacket with rip cord. Sequential footage marking every two feet.

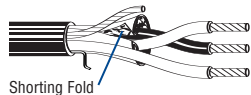
Color Code: Black & Red pair, White, Green.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	.009" (.229mm)
Shield	Beldfoil
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Security Systems
- Intercom/PA Systems
- Sound/Audio Systems
- Power-Limited Controls



Shorting Fold

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

Shielded Twisted Pair plus Conductor(s) (NEC CMP and CEC CMP FT6)

22 AWG

6501GE	1 STP +1/C	7	1000	305	18.0	8.2	.015	.38	.174	4.42
---------------	---------------	---	------	-----	------	-----	------	-----	------	------

6502GE	1 STP +2/C	7	U-1000 1000	U-305 305	21.0 21.0	9.5 9.5	.015	.38	.180	4.57
---------------	---------------	---	----------------	--------------	--------------	------------	------	-----	------	------

20 AWG

6401GE	1 STP +1/C	7	1000	305	24.0	10.9	.015	.38	.195	4.95
---------------	---------------	---	------	-----	------	------	------	-----	------	------

STP = Shielded Twisted Pair(s) • /C = Conductor(s)

Communication and Control Cable

Pro Audio and Intercom Systems
Unshielded, Plenum-Rated



**Unshielded,
Pairs or Multi-conductor**
CMP Rated

Product Description

24 AWG solid bare copper conductors, FEP insulation, Dark Gray Flamarrest® jacket with rip cord.

Color Code: See Charts below.

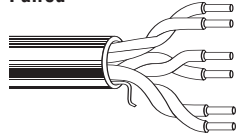
Specifications

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 <small>new</small>	6	solid	1000	304.8	23.0	10.4	—	—	.165	4.19

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

24 AWG										
6626UG <small>new</small>	8	solid	1000	304.8	28.0	12.70	.019	.483	.072	1.83
									X	X
									.310	7.87
6624UG <small>new</small>	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.

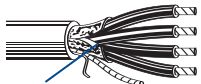
Color Code: See chart below.

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



Shorting Fold

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 11.0	5.0 5.0	.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 22.0	10.4 10.0	.017	.42	.155	3.94
6302FC	4	7	U-1000 1000	U-305 305	34.0 36.0	15.5 16.3	.017	.42	.179	4.55

Color Code Chart

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

Communication and Control Cable

Pro Audio and Intercom Systems
Overall Shielded, Plenum-Rated



Overall Shielded Pairs

CMP FT6 Rated

Product Description

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

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

Specifications

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

Applications

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



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

Overall Shielded Pairs (NEC CMP and CEC CMP FT6)

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

Communication and Control Cable

Pro Audio and Intercom Systems
Individually Shielded, Plenum-Rated



Individually Shielded Twisted Pairs CMP FT6 Rated

Product Description

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

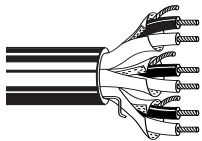
Color Code: See chart below.

Specifications

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

Applications

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



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

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

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

Color Code Chart

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

Thermostat & Control Cable

Commercial Applications
Shielded, Plenum-Rated



Overall Shielded Twisted Pairs

CMP FT6 Rated

Product Description

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

Color Code: Black & White, Green & Red.

Specifications

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

Applications

- Thermostat and control cable

Stranded Conductor



Solid Conductor



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

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

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

Access Control Banana Peel® Cable

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



Composite Shielded Multi-Conductors

CMP FT6 Rated

Product Description

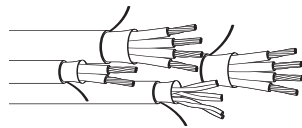
Stranded bare copper conductors, Flammarrest® insulation and jackets. No overall jacket. All cables are Beldfoil® shielded (100% coverage) with drain wire and rip cord. Cable jackets are color coded by application. Individual jacket is sequentially marked at two foot intervals.

Specifications

Conductor	Bare Copper
Insulation	Flammarrest
Shield	Beldfoil
Individual Jackets	Flammarrest
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



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 <small>new</small>	(1) 3-Pair 22 AWG Stranded (7x30) Bare Copper Shielded	Flammarrest (Black & Red, White & Green, Orange & Brown)	Orange Flammarrest	.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	Flammarrest (Black, Red)	White Flammarrest	.131	3.33					
	(1) 4-Cond. 22 AWG Stranded (7x30) Bare Copper Shielded	Flammarrest (Black, Red, White, Green)	Blue Flammarrest	.150	3.81					
638AFS <small>new</small>	(1) 4-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded	Flammarrest (Black, Red, White, Green)	Gray Flammarrest	.191	4.85					
	(1) 3-Pair 18 AWG Stranded (7x26) Bare Copper Shielded	Flammarrest (Black & Red, White & Green, Orange & Brown)	Orange Flammarrest	.542	13.77	1000	305	189	85.7	
	(1) 2-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded	Flammarrest (Black, Red)	White Flammarrest	.168	4.27					
	(1) 4-Cond. 18 AWG Stranded (7x26) Bare Copper Shielded	Flammarrest (Black, Red, White, Green)	Blue Flammarrest	.197	5.00					
638AFS <small>new</small>	(1) 4-Cond. 16 AWG Stranded (19x30) Bare Copper Shielded	Flammarrest (Black, Red, White, Green)	Gray Flammarrest	.224	5.69					

U.S. Patent 7,049,523

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

Security Composite Cable

CCTV plus Audio or Power or Pan and Tilt CCTV Control Applications
Plenum-Rated and Non-Plenum



Non-Plenum Composite Coax plus Twisted Pair

CM FT1 or CMG-LS FT4 Rated

Product Description

Coax: Solid bare copper conductor, foam polyolefin insulation, bare copper braid shield. Black PVC jacket (1306SB has Black LSZH jacket).

Pair: Stranded bare copper conductor, PVC insulation, Black PVC jacket. (1306SB has polypropylene insulation. Black LSZH jacket.) Color coded: Black & Red.

Plenum-Rated Composite Coax plus Twisted Pair

CMP FT6 Rated

Product Description

Coax: Solid bare copper conductor, FEP insulation, bare copper braid shield, Natural Flammarrest® jacket.

Pair: Stranded FEP insulation, Natural Flammarrest jacket. Color coded: Black & Red.

Coax and pair in Siamese configuration.
Sequential footage marking every two feet.

Specifications

Conductor	Bare Copper
Insulation (Non-Plenum)	
Coax	FPO
Pair	PVC
Insulation (Plenum)	FEP
Shield (Coax)	Bare Copper Braid
Jacket	
Non-Plenum	PVC
Plenum	Flammarrest
Approvals (Non-Plenum)	
NEC	CM
CEC	CM FT1
Approvals (LSZH)	
NEC	CMG-LS
CEC	CMG-LS FT4 Limited Smoke
Approvals (Plenum)	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Nominal Impedance (Coax)	75Ω
Temperature Rating	75°C

Applications

- CCTV plus Audio or Power
- Pan, Tilt and Zoom CCTV Control



Part No.	AWG	Stranding and Conductor	Shield/Braid Coverage	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
				Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

CM-Rated Composite (NEC CM and CEC CM FT1)

Mini RG-59 Type

579945 <small>new</small>	25(cx)	solid BC	95% BC	.085	2.16	.151	3.84	500	152	15.0	6.8
	20(pr)	7/w BC	unshielded	.056	1.42	X	X	1000	305	29.0	13.2
						.332	8.43				

RG-59 Type

549945	20(cx)	solid BC	95% BC	.145	3.68	.232	5.89	500	152	30.0	13.6
	18(pr)	7/w BC	unshielded	.066	1.68	X	X	1000	305	60.0	27.3
						.460	11.68				

RG-6 Type

539945	18(cx)	solid BC	95% BC	.180	4.57	.266	6.76	500	152	34.0	15.5
	18(pr)	7/w BC	unshielded	.066	1.68	X	X	1000	305	69.0	31.3
						.500	12.70				

CMG-LS -Rated Composite (NEC CMG-LS and CEC CMG-LS FT4 Limited Smoke)

RG-6 Type

1306SB <small>new</small>	18(cx)	solid BC	95% BC	.180	4.57	.275	6.99	500	152	37.0	16.8
	18(pr)	7/w BC	unshielded	.059	1.59	X	X	1000	305	76.0	34.5
						.514	13.06				

Plenum-Rated Composite (NEC CMP and CEC CMP FT6)

Mini RG-59 Type

679948* <small>new</small>	25(cx)	solid BC	95% BC	.078	1.98	.144	3.66	500	152	16.5	7.4
	20(pr)	7/w BC	unshielded	.048	1.22	X	X	1000	305	34.0	15.5
						.328	8.33				

RG-59 Type

649948	20(cx)	solid BC	95% BC	.134	3.40	.199	5.05	500	152	29.0	13.2
	18(pr)	7/w BC	unshielded	.059	1.50	X	X	1000	305	54.0	24.5
						.383	9.72				

RG-6 Type

639948	18(cx)	solid BC	95% BC	.170	4.32	.232	5.89	500	152	32.0	14.5
	18(pr)	7/w BC	unshielded	.059	1.50	X	X	1000	305	60.0	27.2
						.416	10.57				

BC = Bare Copper • cx = Coax • pr = Pair • LSZH = Low-Smoke, Zero-Halogen

*679948 also available in White.

Security Coaxial Cable

CCTV and Card Reader/Sensor Applications
Plenum-Rated



Plenum-Rated Coax

CMP FT6 Rated

Product Description

Bare copper or copper-covered steel conductor, foam FEP insulation, bare copper braid shield. Natural Flamarrest® jacket (except 613948 which is White fluorocopolymer). Sequential footage marking every two feet.

Specifications

Conductor	Solid BC or BCCS
Insulation	Foam FEP
Shield	Bare Copper Braid
Jacket	Flamarrest†
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	800
Nominal Impedance	75Ω
Nominal Impedance (6539Y8 only)	93Ω
Temperature Rating	75°C

†613948 jacket is White fluorocopolymer.

Applications

- CCTV
- Card Reader/Sensor (6539Y8)



Part No.	AWG	Stranding and Conductor	Shield/Braid Coverage	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
				Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Plenum-Rated Coax for CCTV (NEC CMP and CEC CMP FT6)

Mini RG-59 Type

673948	25	solid BC	95% BC	.078	1.98	.146	3.71	U-500	U-152	9.0	4.1
								U-1000	U-305	17.0	7.7
								1000	305	17.0	7.7

RG-59 Type

643948*	20	solid BC	95% BC	.135	3.43	.193	4.90	U-500	U-152	16.0	7.3
								500	152	17.5	8.0
								U-1000	U-305	30.0	13.6
								1000	305	32.0	14.5

RG-6 Type

633948	18	solid BC	95% BC	.170	4.32	.228	5.79	U-500	U-152	20.5	9.8
								500	152	20.5	9.8
								U-1000	U-305	40.0	18.1
								1000	305	42.0	19.1

RG-11 Type

613948	14	solid BC	95% BC	.274	6.96	.348	8.84	500	152	44.5	20.2
								1000	305	90.0	40.9

*643948 also available in Black jacket.

Plenum-Rated Coax for Card Readers/Sensors (NEC CMP, CEC CMP FT6)

RG-62 Type

6539Y8	22	solid BCCS	95% BC	.146	3.71	.204	5.18	U-1000	U-305	31.0	14.1
								1000	305	33.0	15.0

BC = Bare Copper • BCCS = Bare Copper-covered Steel

Security UTP Cable

CCTV Fixed and PTZ Applications
Plenum-Rated



Plenum-Rated

CMP Rated

Product Description

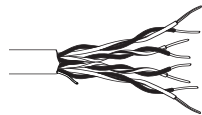
Solid bare copper conductors, unshielded twisted pairs, FEP Teflon® insulation, Flamarrest® jacket with rip cord. Sequential footage marking every two feet.

Specifications

Conductor	Solid Bare Copper
Shield	Unshielded
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP
NEC Articles	800
Nominal Impedance	100Ω
Temperature Rating	75°C

Applications:

- 100BaseTX
- 100BaseVG ANYLAN
- 155ATM
- 622ATM
- AES/EBU
- Digital Video, RS-422
- Gigabit Ethernet
- NTSC/PAL Component or Composite Video
- Premise Horizontal Cable
- CCTV UTP
- Pan/Tilt/Zoom (PTZ)



Part No.	Component Descriptions	Insulation Material	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Plenum-Rated (NEC CMP and CEC CMP FT6)

Category 5e

1585A <small>new</small>	4-Pair UTP 24 AWG Solid Bare Copper Cond.	FEP Teflon	.007	0.18	.195	4.95	U-1000 1000 3000	U-305 305 915	23.0 24.0 69.0	10.4 10.9 31.3
------------------------------------	---	------------	------	------	------	------	------------------------	---------------------	----------------------	----------------------

1501A <small>new</small>	4-Pair UTP 24 AWG Solid Bare Copper Cond.	FEP Teflon	.008	0.20	.195	4.95	A-1000 1000	A-305 305	26.0 23.0	11.8 10.4
------------------------------------	---	------------	------	------	------	------	----------------	--------------	--------------	--------------

Category 6

7882A <small>new</small>	4-Pair UTP 23 AWG Solid Bare Copper Cond.	FEP Teflon	.009	0.23	.224	5.69	A-1000 1000	A-305 305	32.0 29.0	14.5 13.2
------------------------------------	---	------------	------	------	------	------	----------------	--------------	--------------	--------------

UTP = Unshielded Twisted Pair

Refer to www.belden.com for jacket colors and put-ups.

Color Code Chart

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

Teflon is a DuPont trademark.

Pan/Tilt/Zoom Banana Peel® Composite

CCTV plus Audio or Power or Pan and Tilt CCTV Control Applications
Plenum-Rated



**Composite Coax,
Pair and Multi-Conductors**
CMP FT6 Rated

Product Description

(1) Coax: 20 AWG solid bare copper conductor, Foam Perfluoroalkoxy (FPFA) insulation, bare copper braid shield (95% coverage), Black Flamarrest® jacket.

(1) Pair: 23 AWG solid bare copper conductors, FEP insulation, Blue Flamarrest jacket. Color code: White/Blue Stripe & Blue. Category 5e tested.

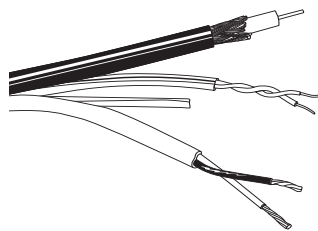
(2) Conductors: 18 AWG stranded (7x26) bare copper conductors, Flamarrest insulation, White Flamarrest jacket. Color code: Black & Red.

Specifications

Conductor	Bare Copper
Application Shielding	
Video	Bare Copper Braid
Control	Unshielded
Power	Unshielded
Component Jackets	Flamarrest
Overall Jacket	None
Approvals	
NEC	CMP
CEC	CMP
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- CCTV plus Control and Power
- Pan, Tilt and Zoom CCTV Control



Part No.	Component Descriptions	Insulation Material & Shielding	Component Nom. OD		Overall Nom. OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Plenum-rated Composite (NEC CMP and CEC CMP FT6)

RG-59/U 20 AWG Coax • Cat. 5e 23 AWG Pair • 18 AWG Cond.										
600PTZ <small>new</small>	(1) Coax: RG-59/U 20 AWG (solid) Bare Copper Cond.	FPFA, Bare Copper Braid Shield (95% coverage)	.193	4.90	.351	8.9	500	152	38.5	17.5
	(1) 1-Pair 23 AWG (solid) Bare Copper Cond.	FEP, Unshielded	.116	2.95			1000	305	71.0	32.2
	(1) 2-Cond. 18 AWG Stranded (7x26) Bare Copper Cond.	Flamarrest, Unshielded	.158	4.01						

FEP = Fluorinated Ethylene Propylene • FPFA = Foam Perfluoroalkoxy

U.S. Patent 7,049,523

Individual Cable Jacket Color Coding System

Jacket Color	Cable Type
Black	Coax, RG-59/U, 20 AWG, BC Braid (95%)
Blue	1/P, 23 AWG, Unshielded
White	2/C, 18 AWG, Unshielded

Pan/Tilt/Zoom Banana Peel® Composite

CCTV plus Audio or Power or Pan and Tilt CCTV Control Applications
Plenum-Rated



**Composite Coax,
Pair and Multi-Conductors**
CMP FT6 Rated

Product Description

(1) Coax: 20 AWG solid bare copper conductor, Foam Perfluoroalkoxy (FPFA) insulation, bare copper braid shield (95% coverage), Black Flamarrest® jacket.

(1) Pair: 22 AWG stranded (7x30) bare copper conductors, FEP insulation, Beldfoil® shield (100% coverage), Blue Flamarrest jacket. Color code: White/Blue Stripe & Blue. Category 5e tested.

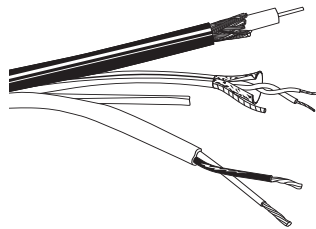
(2) Conductors: 18 AWG stranded (7x26) bare copper conductors, Flamarrest insulation, White Flamarrest jacket. Color code: Black & Red.

Specifications

Conductor	Bare Copper
Application Shielding	
Video	Bare Copper Braid
Control	Aluminum/Polyester
Power	Unshielded
Component Jackets	Flamarrest
Overall Jacket	None
Approvals	
NEC	CMP
CEC	CMP
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- CCTV plus Control and Power
- Pan, Tilt and Zoom CCTV Control



Part No.	Component Descriptions	Insulation Material & Shielding	Component Nom. OD		Overall Nom. OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Plenum-rated Composite (NEC CMP and CEC CMP FT6)

RG-59/U 20 AWG Coax • Cat. 5e 22 AWG Pair • 18 AWG Cond.										
601PTZ <small>new</small>	(1) Coax: RG-59/U 20 AWG (solid) BC Cond.	FPFA, BC Braid Shield (95% coverage)	.193	4.90	.351	8.9	500	152	40.0	18.2
	(1) 1-Pair 22 AWG (7x30) BC Cond.	FEP, Beldfoil Shield (100% coverage)	.116	2.95			1000	305	73.0	33.2
	(1) 2-Cond. 18 AWG Stranded (7x26) BC Cond.	Flamarrest, Unshielded	.158	4.01						

BC = Bare Copper • FEP = Fluorinated Ethylene Propylene • FPFA = Foam Perfluoroalkoxy
U.S. Patent 7,049,523

Individual Cable Jacket Color Coding System

Jacket Color	Cable Type
Black	Coax: RG-59/U, 20 AWG, BC Braid Shield
Blue	1/P, 22 AWG, Beldfoil Shield
White	2/C, 18 AWG, Unshielded

Pan/Tilt/Zoom Banana Peel® Composite

CCTV plus Audio or Power or Pan and Tilt CCTV Control Applications
Plenum-Rated



**Composite Coax,
Pair and Multi-Conductors**
CMP FT6 Rated

Product Description

(1) Coax: 20 AWG solid bare copper conductors, Foam Perfluoroalkoxy (FPFA) insulation, bare copper braid shield (95% coverage), Black Flammarrest® jacket.

(1) Pair: 18 AWG stranded (19x30) bare copper conductor, FEP insulation, Beldfoil® shield (100% coverage), Blue Flammarrest jacket. Color code: White/Blue Stripe & Blue. Category 5e tested.

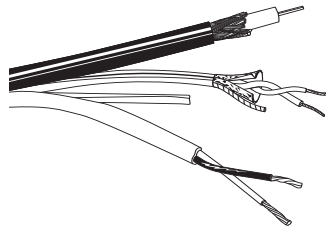
(2) Conductors: 18 AWG stranded (7x26) bare copper conductors, Flammarrest insulation, White Flammarrest jacket. Color code: Black & Red.

Specifications

Conductor	Bare Copper
Application Shielding	
Video	Bare Copper Braid
Control	Aluminum/Polyester
Power	Unshielded
Component Jackets	Flammarrest
Overall Jacket	None
Approvals	
NEC	CMP
CEC	CMP
NEC Articles	800
Voltage Rating	300V
Temperature Rating	75°C

Applications

- CCTV plus Control and Power
- Pan, Tilt and Zoom CCTV Control



Part No.	Component Descriptions	Insulation Material & Shielding	Component Nom. OD		Overall Nom. OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Plenum-rated Composite (NEC CMP and CEC CMP FT6)

RG-59/U 20 AWG Coax • Cat. 5e 18 AWG Pair • 18 AWG Cond.										
602PTZ <small>new</small>	(1) Coax: RG-59/U 20 AWG (solid) BC Cond.	FPFA, BC Braid Shield (95% coverage)	.193	4.90	.363	9.2	500	152	42.5	19.3
	(1) 1-Pair 18 AWG (19x30) BC Cond.	FEP, Beldfoil Shield (100% coverage)	.150	3.81			1000	305	79.0	35.8
	(1) 2-Cond. 18 AWG Stranded (7x26) BC Cond.	Flammarrest, Unshielded	.158	4.01						

BC = Bare Copper • FEP = Fluorinated Ethylene Propylene • FPFA = Foam Perfluoroalkoxy

Individual Cable Jacket Color Coding System

Jacket Color	Cable Type
Black	Coax: RG-59/U, 20 AWG, BC Braid Shield
Blue	1/P, 18 AWG, Beldfoil Shield
White	2/C, 18 AWG, Unshielded

Banana Peel is patent pending.

Security Coaxial Cable

Commercial CATV or MATV Applications
Plenum-Rated



Plenum-Rated Coax CMP FT6 Rated

Product Description

Solid bare copper conductor. Foam FEP insulation. Foil plus aluminum braid shield(s) as indicated. Natural Flamarrest® jacket (except 6139B8 which is White fluorocopolymer). Sequential footage marking every two feet.

Specifications

Conductor	Solid BC or BCCC
Insulation	Foam FEP
Shield	Duofoil® + Aluminum Braid(s)
Jacket	Flamarrest†
Approvals	
NEC	CMP
CEC	CMP FT6
NEC Articles	820
Nominal Impedance	75Ω
Temperature Rating	75°C

†6139B8 jacket is White fluorocopolymer.

Applications

- CATV
- MATV

Duofoil + Braid Shield



Quad Shield



Part No.	AWG	Stranding and Conductor	Shield/Braid Coverage	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
				Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Plenum-Rated Coax (NEC CMP and CEC CMP FT6)

Series 59 • RG-59 Type

6439C8	20	solid BC	Duofoil + 80% AL braid	.135	3.43	.199	5.05	1000	305	20.0	9.1
---------------	----	----------	------------------------	------	------	------	------	------	-----	------	-----

6439Q8	20	solid BC	Quad*	.135	3.43	.223	5.66	U-1000	U-305	24.0	10.9
---------------	----	----------	-------	------	------	------	------	--------	-------	------	------

Series 6 • RG-6 Type

633938	18	solid BC	Duofoil + 90% AL braid	.170	4.32	.233	5.92	U-500 500 1000	U-152 152 305	15.0 15.0 29.0	6.8 6.8 13.2
---------------	----	----------	------------------------	------	------	------	------	----------------------	---------------------	----------------------	--------------------

6339Q8	18	solid BCCC	Quad*	.170	4.32	.248	6.30	U-1000 1000	U-305 305	30.0 32.0	13.6 14.5
---------------	----	------------	-------	------	------	------	------	----------------	--------------	--------------	--------------

Series 11 • RG-11 Type

6139B8	14	solid BC	Duofoil + 60% AL braid	.274	6.96	.348	8.84	1000	305	66.0	30.0
---------------	----	----------	------------------------	------	------	------	------	------	-----	------	------

AL = Aluminum • BC = Bare Copper • BCCC = Bare Copper Center Conductor

*Quad Shield: Duofoil tape + 60% copper braid + Duofoil tape + 40% copper braid.

UTP CCTV Surveillance Cables

CCTV and PTZ Applications
Unshielded, Plenum-Rated



Composite Unshielded Multi-conductor
CMP Rated

Product Description

Data Pair: 24 or 23 AWG solid bare copper conductors, unshielded twisted pairs, FEP insulation.

Power Conductors: 16 AWG stranded (19x29) tinned copper conductors, unshielded, FEP or Flammarrest® insulation.

Overall: White or Black, Flammarrest jacket.

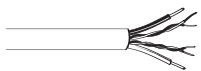
Specifications

Conductor	
Data Pair	Solid Bare Copper
Power	Stranded Tinned Copper
Shield	Unshielded
Jacket	Flammarrest
Approvals	
NEC	CMP
CEC	CMP
NEC Articles	800
Nominal Impedance	100Ω
Temperature Rating	75°C

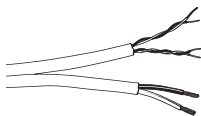
Applications:

- UTP-CCTV
- CCTV
- CCTV on UTP
- CCTV Video/Control
- Closed Circuit Television
- Pan/Tilt/Zoom (PTZ) Cameras
- Surveillance
- Video Over Twisted Pairs

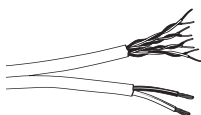
6284UE (Round Construction)



6284US (Siamese Construction)



6288US (Siamese Construction)



Part No.	Component Descriptions	Insulation Material	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Unshielded Composite (NEC CMP and CEC CMP)

Category 5e										
6284UE <small>new</small>	2-Pair UTP 23 AWG	FEP	.041	1.04	.220	5.59	500	152	19.5	8.8
	Solid Bare Copper Cond.									
	2-Cond. 16 AWG Stranded (19x29) Tinned Copper Cond.	FEP	.077	1.96						
6284US <small>new</small>	2-Pair UTP 24 AWG	FEP	.035	.89	.173	4.39	500	152	26.0	11.8
	Solid Bare Copper Cond.									
	2-Cond. 16 AWG Stranded (19x29) Tinned Copper Cond.	Flammarrest	.077	1.96						
6288US <small>new</small>	4-Pair UTP 23 AWG	FEP	.042	1.07	.222	5.64	500	152	34.5	15.7
	Solid Bare Copper Cond.									
	2-Cond. 16 AWG Stranded (19x29) Tinned Copper Cond.	Flammarrest	.077	1.96						

FEP = Fluorinated Ethylene Propylene • UTP = Unshielded Twisted Pair

Color Code Chart (Data Pair)

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

Color Code Chart (Power)

Cond. No.	Color
1	Black
2	Red

UTP CCTV Surveillance Cables

CCTV Fixed and PTZ Applications
Unshielded, Plenum-Rated



Unshielded Twisted Pairs

CMP Rated

Product Description

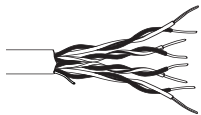
Solid bare copper conductors, unshielded twisted pairs, FEP Teflon® insulation, Flamarrest® jacket with rip cord. Sequential footage marking every two feet.

Specifications

Conductor	Solid Bare Copper
Shield	Unshielded
Jacket	Flamarrest
Approvals	
NEC	CMP
CEC	CMP
NEC Articles	800
Nominal Impedance	100Ω
Temperature Rating	75°C

Applications:

- 100BaseTX
- 100BaseVG ANYLAN
- 155ATM
- 622ATM
- AES/EBU
- Digital Video, RS-422
- Gigabit Ethernet
- NTSC/PAL Component or Composite Video
- Premise Horizontal Cable
- CCTV UTP
- Pan/Tilt/Zoom (PTZ)



Part No.	Component Descriptions	Insulation Material	Insulation Nominal OD		Nominal OD		Standard Lengths		Standard Unit Weight	
			Inch	mm	Inch	mm	Ft.	m	Lbs.	kg

Unshielded Twisted Pairs (NEC CMP and CEC CMP FT6)

Category 5e

1585A <small>new</small>	4-Pair UTP 24 AWG Solid Bare Copper Cond.	FEP Teflon®	.007	0.18	.195	4.95	U-1000 1000	U-305 305	23.0 24.0	10.4 10.9
							3000	915	69.0	31.3

1501A <small>new</small>	4-Pair UTP 24 AWG Solid Bare Copper Cond.	FEP Teflon	.008	0.20	.195	4.95	A-1000 1000	A-305 305	27.0 24.0	12.2 10.9
------------------------------------	---	------------	------	------	------	------	----------------	--------------	--------------	--------------

Category 6

7882A <small>new</small>	4-Pair UTP 23 AWG Solid Bare Copper Cond.	FEP Teflon	.009	0.23	.224	5.69	A-1000 1000	A-305 305	34.0 31.0	15.4 14.1
------------------------------------	---	------------	------	------	------	------	----------------	--------------	--------------	--------------

UTP = Unshielded Twisted Pair

Refer to www.belden.com for jacket colors and put-ups.

Color Code Chart

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

Teflon is a DuPont trademark.

Fire Alarm Cable

Commercial Applications

Unshielded or Shielded, Plenum-Rated, Power-Limited



Unshielded or Shielded Multi-conductor FPLP Rated

Product Description

Bare copper conductors, Flamarrest® insulation, cabled together, Red Flamarrest jacket with rip cord. Shielded version has overall Beldfoil® shield tape (foil side out) and drain wire. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Shield (where applicable)	Beldfoil
Jacket	Flamarrest
Jacket Thickness	.015" (.381mm)
Approvals	FPLP
NEC	
California State Fire Marshall	
NEC Articles	760
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Fire Protection
- Alarm
- Signal
- Monitor/Detection
- Audio Circuits
- Control Circuits
- Initiating Circuits
- Notification Circuits

Unshielded



Shielded



Shorting Fold

Color Code Chart

Cond. No.	Color	Cond. No.	Color
1	Black	6	Yellow
2	Red	7	Purple
3	Brown	8	Green
4	Blue	9	Red/Black
5	Orange	10	Red/White

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

Unshielded Multi-conductor (NEC FPLP)

22 AWG										
6522UL	4	solid	U-1000 1000	U-305 305	17.0 16.0	7.7 7.3	.009	.23	.136	3.45
6524UL	6	solid	C-500 U-1000 1000	C-152 U-305 305	10.5 22.0 22.0	4.8 10.0 10.0	.009	.23	.162	4.12

18 AWG										
6320UL*	2	solid	C-500 U-500 U-1000 1000	C-152 U-152 U-305 305	8.0 9.0 18.0 17.0	3.6 4.1 8.2 7.7	.010	.25	.151	3.84
6321UL	3	solid	1000	305	28.0	12.7	.010	.25	.160	4.06
6322UL	4	solid	C-250 C-500 1000	C-76 C-152 305	7.2 14.5 31.0	3.3 6.6 14.1	.010	.25	.183	4.64

6324UL	6	solid	U-1000 1000	U-305 305	44.0 46.0	20.0 20.9	.010	.25	.211	5.36
6326UL	8	solid	1000	305	63.0	28.6	.010	.25	.230	5.84
6328UL	10	solid	1000	305	73.0	33.1	.010	.25	.272	6.91

16 AWG										
6220UL*	2	solid	C-500 500 U-1000 1000	C-152 152 U-305 305	12.0 12.5 25.0 26.0	5.4 5.7 11.4 11.8	.010	.25	.174	4.42
6222UL	4	solid	500 1000	152 305	24.5 47.0	11.1 21.3	.010	.25	.204	5.18

14 AWG										
6120UL*	2	solid	500 1000	152 305	19.0 38.0	8.6 17.3	.011	.28	.205	5.21
6122UL	4	solid	500 1000	152 305	35.5 70.0	16.1 31.8	.011	.28	.241	6.12

12 AWG										
6020UL	2	solid	1000	305	59.0	26.8	.011	.28	.239	6.07

Shielded Multi-conductor (NEC FPLP)

18 AWG										
6320FL*	2	solid	C-500 U-1000 1000	C-152 U-305 305	10.5 22.0 22.0	4.8 10.0 10.0	.010	.25	.158	4.01
6322FL	4	solid	1000	305	36.0	16.4	.010	.25	.183	4.65

16 AWG										
6220FL*	2	solid	C-500 1000	C-152 305	14.5 31.0	6.6 14.1	.010	.25	.181	4.60
6222FL	4	solid	1000	305	58.0	26.3	.010	.25	.211	5.36

14 AWG										
6120FL*	2	solid	500 1000	152 305	23.5 45.0	10.7 20.4	.011	.28	.209	5.31
6122FL	4	solid	500 1000	152 305	42.0 77.0	19.1 35.0	.011	.28	.245	6.22

12 AWG										
6020FL	2	solid	500 1000	152 305	30.5 61.0	13.9 27.7	.011	.28	.243	6.17

*Also available in other jacket colors. Consult www.belden.com.

Fire Alarm Cable

Commercial Applications, Addressable Systems

Unshielded and Shielded, Plenum-Rated, Power-Limited, Mid-Capacitance



Unshielded Multi-conductor

FPLP Rated

Product Description

Bare copper conductors, FEP insulation, cabled together, Red Flammarrest® jacket with rip cord. Sequential footage marking every two feet.

Color Code: Black, Red.

Shielded Multi-conductor

FPLP Rated

Product Description

Bare copper conductors, FEP insulation, cabled together, Beldfoil® shield tape (aluminum side out) with tinned copper drain wire, Red Flammarrest jacket with rip cord. Sequential footage marking every two feet.

Color Code: Black, Red.

Specifications

Conductor	Bare Copper
Insulation	FEP
Shield (where applicable)	Beldfoil
Jacket	Flammarrest
Jacket Thickness	.015" (.381mm)
Approvals	
NEC	FPLP
California State Fire Marshall	
NEC Articles	760
Voltage Rating	300V
Temperature Rating	75°C
Nominal Capacitance*	
Unshielded†	26 pF/ft.
Shielded††	26–31 pF/ft.

*Capacitance between conductors.

†20% lower capacitance than cables on page 13.39

††60% lower capacitance than cables on page 13.39

Applications

- Addressable Fire Systems
- Data Circuits
- Monitor/Detection
- Control Circuits
- Initiating Circuits
- Notification Circuits

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

Unshielded Multi-conductor (NEC FPLP)

18 AWG										
6320UJ	2	solid	1000	305	16.0	7.3	.007	.18	.138	3.51
16 AWG										
6220UJ	2	solid	1000	305	24.0	10.9	.007	.18	.162	4.11
14 AWG										
6120UJ	2	solid	1000	305	32.0	14.5	.007	.18	.186	4.72

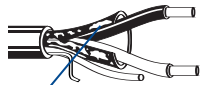
Shielded Multi-conductor (NEC FPLP)

18 AWG										
6320FK	2	solid	500	152	14.0	6.4	.018	.46	.185	4.70
			U-1000	U-305	28.0	12.7				
			1000	305	27.0	12.2				
16 AWG										
6220FK	2	solid	1000	305	37.0	16.8	.018	.46	.210	5.33

Unshielded



Shielded



Shorting Fold

Audio Cable

Commercial Audio Systems
Unshielded, Plenum-Rated



Unshielded Multi-conductor

CMP FT6 Rated or CL2P Rated

Product Description

Bare copper conductors, Flamarrest® insulation, conductors cabled, Natural Flamarrest jacket with rip cord. Sequential footage marking every two feet.

Color Code: See chart below.

Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	
22 to 16 AWG	.009" (.229mm)
14 to 10 AWG	.011" (.279mm)
Jacket	Flamarrest
Approvals	
NEC (22 to 16 AWG)	CMP
CEC (22 to 16 AWG)	CMP FT6
NEC (14 to 10 AWG)	CL2P
NEC Articles	
22 to 16 AWG	800
14 to 10 AWG	725
Voltage Rating	
22 to 16 AWG	300V
14 to 10 AWG	150V
Temperature Rating	75°C

Applications

- Intercom/PA Systems
- Sound/Audio Systems

Solid Conductor



Stranded Conductor



Color Code Chart

(22 to 16 AWG)		(14 to 10 AWG)	
Cond. No.	Color	Cond. No.	Color
1	Black	1	Black
2	Red	2	White
3	White	3	Red

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 Multi-conductor (NEC CMP and CEC CMP FT6)

22 AWG										
6520UE	2	solid	U-1000 1000	U-305 305	10.0 9.0	4.5 4.1	.015	.38	.118	3.00
6500UE	2	7	C-500 C-1000 U-1000 1000	C-152 C-305 U-305 305	4.5 9.0 10.0 10.0	2.0 4.1 4.5 4.5	.015	.38	.124	3.15
6521UE	3	solid	1000	305	13.0	5.9	.015	.38	.125	3.18
6501UE	3	7	U-1000 1000	U-305 305	14.0 13.0	6.4 5.9	.015	.38	.131	3.33
20 AWG										
6400UE	2	7	C-500 500 U-1000 1000	C-152 152 U-305 305	6.0 7.0 14.0 14.0	2.7 3.2 6.4 6.4	.015	.38	.138	3.51
6401UE	3	7	U-1000 1000 5000	U-305 305 1524	19.0 18.0 90.0	8.6 8.2 40.9	.015	.38	.146	3.71
18 AWG										
6320UE	2	solid	U-1000	U-305	17.0	7.7	.015	.38	.147	3.73
6300UE	2	7	C-500 U-500 500 U-1000 1000 5000	C-152 U-152 152 U-305 305 1524	8.0 9.5 9.0 18.0 18.0 90.0	3.6 4.3 4.1 8.2 8.2 40.9	.015	.38	.157	3.99
6321UE	3	solid	U-1000 1000	U-305 305	24.0 24.0	10.9 10.9	.015	.38	.156	3.96
6301UE	3	7	500 U-1000 1000	152 U-305 305	12.5 25.0 25.0	5.7 11.4 11.4	.015	.38	.168	4.27
16 AWG										
6200UE	2	19	500 U-1000 1000	152 U-305 305	13.0 25.0 26.0	5.9 11.3 11.8	.015	.38	.180	4.57
6201UE	3	19	500 U-1000 1000	152 U-305 305	18.0 36.0 37.0	8.2 16.4 16.8	.015	.38	.191	4.85

Unshielded Multi-conductor (NEC CL2P)

14 AWG										
6100UE	2	19	500 U-1000 1000 5000	152 U-305 305 1524	19.5 38.0 38.0 195.0	8.9 17.2 17.2 88.5	.015	.38	.222	5.64
6101UE	3	19	1000	305	56.0	25.4	.015	.38	.236	5.99
12 AWG										
6000UE	2	19	500 1000	152 305	32.0 58.0	14.5 26.4	.015	.38	.256	6.50
6001UE	3	19	1000	305	83.0	37.7	.015	.38	.273	6.93
10 AWG (For Audio Use Only)										
6T00UP	2	65	1000	305	85.0	38.6	.015	.38	.308	7.82

Audio Cable

Commercial Audio Systems
Shielded, Plenum-Rated



Shielded Multi-conductor
CMP FT6 Rated or CL2P Rated

Product Description

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

Color Code: See chart below.

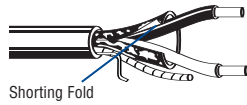
Specifications

Conductor	Bare Copper
Insulation	Flamarrest
Insulation Thickness	
22 to 16 AWG	.009" (.229mm)
14 to 12 AWG	.011" (.279mm)
Shield	Beldfoil
Jacket	Flamarrest
Approvals	
NEC (22 to 16 AWG)	CMP
CEC (22 to 16 AWG)	CMP FT6
NEC (14 to 12 AWG)	CL2P
NEC Articles	
22 to 16 AWG	800
14 to 12 AWG	725
Voltage Rating	
22 to 16 AWG	300V
14 to 12 AWG	150V
Temperature Rating	75°C

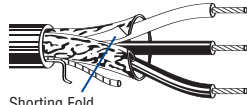
Applications

- Intercom/PA Systems
- Sound/Audio Systems

Solid Conductor



Stranded Conductor



Color Code Chart (22 to 16 AWG)

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

(14 to 12 AWG)

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										
6520FE	2	solid	C-500	C-152	6.0	2.7	.015	.38	.122	3.10
			C-1000	C-305	12.0	5.4				
			U-1000	U-305	13.0	5.9				

6500FE	2	7	C-500	C-152	5.5	2.5	.015	.38	.128	3.25
			U-500	U-152	7.0	3.2				
			500	152	7.0	3.2				
			C-1000	C-305	11.0	5.0				

6521FE	3	solid	1000	305	16.0	7.3	.015	.38	.129	3.28
--------	---	-------	------	-----	------	-----	------	-----	------	------

6501FE	3	7	500	152	8.0	3.6	.015	.38	.135	3.43
			U-1000	U-305	16.0	7.3				

20 AWG

6420FE	2	solid	C-500	C-152	7.0	3.2	.015	.38	.134	3.40
			U-1000	U-305	16.0	7.3				

6400FE	2	7	C-500	C-152	7.5	3.4	.015	.38	.142	3.60
			U-1000	U-305	17.0	7.7				
			1000	305	17.0	7.7				

6401FE	3	7	U-1000	U-305	21.0	9.5	.015	.38	.150	3.81
			1000	305	22.0	10.0				

18 AWG

6320FE	2	solid	C-500	C-152	10.5	4.7	.015	.38	.150	3.81
			1000	305	22.0	10.0				

6300FE	2	7	C-500	C-152	11.0	5.0	.015	.38	.162	4.11
			U-500	U-152	12.0	5.4				
			500	152	12.0	5.4				
			U-1000	U-305	23.0	10.4				

6301FE	3	7	U-500	U-152	15.5	7.0	.015	.38	.172	4.32
			U-1000	U-305	30.0	13.6				
			1000	305	31.0	14.1				

16 AWG

6200FE	2	19	500	152	16.5	7.5	.015	.38	.184	4.67
			1000	305	33.0	15.0				

6201FE	3	19	500	152	22.5	10.2	.015	.38	.195	4.95
			U-1000	U-305	43.0	19.5				
			1000	305	45.0	20.5				

Shielded Multi-conductor (NEC CL2P)

14 AWG

6100FE	2	19	500	152	25.0	11.3	.015	.38	.220	5.59
			U-1000	U-305	49.0	22.2				
			1000	305	51.0	23.2				

6101FE	3	19	1000	305	66.0	30.0	.015	.38	.234	5.94
--------	---	----	------	-----	------	------	------	-----	------	------

12 AWG

6000FE	2	19	500	152	36.0	16.4	.015	.38	.260	6.60
			1000	305	68.0	30.9				

Audio Cable

Pro Audio and Intercom Systems
Shielded, Plenum-Rated



Shielded Multi-conductor

CMP FT6 Rated

Product Description

Bare copper conductors, FEP insulation, cabled with a Beldfoil® shield tape and drain wire. Natural Flamarrest® jacket.

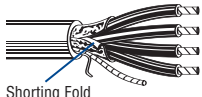
Color Code: See chart below.

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
- Intercom/PA Systems
- Security Systems



Shorting Fold

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	U-305	11.0	5.0	.015	.38	.116	2.95
			1000	305	11.0	5.0				
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	U-305	23.0	10.4	.017	.42	.155	3.94
			1000	305	22.0	10.0				
6302FC	4	7	1000	305	34.0	15.5	.017	.42	.179	4.55

Color Code Chart

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

Audio Cable

Commercial Sound/Nurse Call Systems
Unshielded, Plenum-Rated



**Unshielded,
Pairs or Multi-conductor**
CMP Rated

Product Description

24 AWG solid bare copper conductors, FEP insulation, Dark Gray Flamarrest® jacket with rip cord.

Color Code: See Charts below.

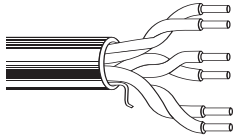
Specifications

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

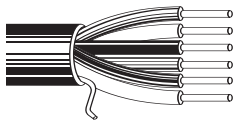
Applications

- 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 <small>new</small>	6	solid	1000	304.8	23.0	10.4	—	—	.165	4.19

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

24 AWG										
6626UG <small>new</small>	8	solid	1000	304.8	28.0	12.70	.019	.483	.072	1.83
									X	X
									.310	7.87
6624UG <small>new</small>	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

Data and Voice Cable

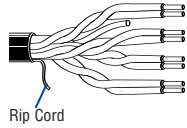
Category 6 UTP Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω /100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/100m)	Freq. (MHz)	Max. Atten. (dB/100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/100m)	Min. PSUM ELFEXT (dB/100m)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										

23 AWG Solid Bare Copper Conductors • Twisted Pairs • Central Rod Filler • Rip Cord • See Color Code Chart (below)

Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black)

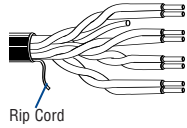
75°C	7881A	NEC: 4 CMR CEC: CMR FT4	1000	304.8	30.0	13.6	.235	5.97	8.2	5.0	330		1	2.0	72.3	70.3	64.8	100±15	20.0					
																		10	6.0	57.3	51.3	44.8	100±15	25.0
																		20	8.5	52.8	44.3	38.7	100±15	25.0
																		31.25	10.7	49.9	39.2	34.9	100±15	23.6
																		62.5	15.4	45.4	30.0	28.8	100±15	21.5
																		100	19.8	42.3	22.5	24.8	100±15	20.1
																		200	29.0	37.8	8.8	18.7	100±22	18.0
250	32.8	36.3	3.5	16.8	100±32	17.3																		



Jacket sequentially marked at 2 ft. intervals.
Third party verified to TIA/EIA-568-B.2-1, Category 6

Plenum • FRPO/FEP Insulation • Flamarrest® Jacket (Red, Orange, Yellow, Green, Blue, Purple, Gray, White, Natural or Black)

75°C	7882A	NEC: 4 CMP CEC: CMP FT6	1000	304.8	29.0	13.2	.224	5.69	8.2	5.0	330		1	2.0	72.3	70.3	64.8	100±15	20.0					
																		10	6.0	57.3	51.3	44.8	100±15	25.0
																		20	8.5	52.8	44.3	38.7	100±15	25.0
																		31.25	10.7	49.9	39.2	34.9	100±15	23.6
																		62.5	15.4	45.4	30.0	28.8	100±15	21.5
																		100	19.8	42.3	22.5	24.8	100±15	20.1
																		200	29.0	37.8	8.8	18.7	100±22	18.0
250	32.8	36.3	3.5	16.8	100±32	17.3																		



Jacket sequentially marked at 2 ft. intervals.
Third party verified to TIA/EIA-568-B.2-1, Category 6

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • FEP = Fluorinated Ethylene-Propylene • FRPO = Flame-retardant Polyolefin • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

For a complete selection of Belden® Data Cables, refer to the Networking Cables section of this catalog.

Color Codes

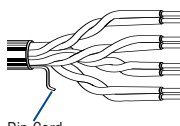
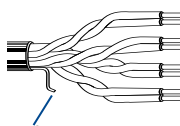
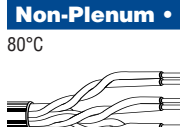
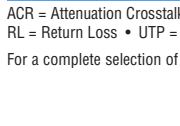


Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Data and Voice Cable

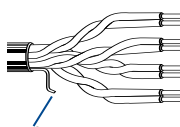
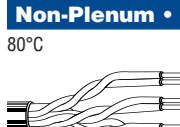
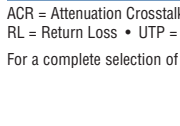


Enhanced Category 5e UTP Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										

24 AWG Bonded-Pairs Solid Bare Copper Conductors • Rip Cord • See Color Code Chart (below)

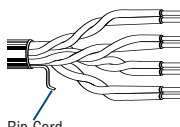
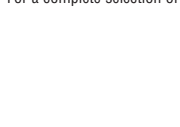


Non-Plenum • Polyolefin Insulation • PVC Jacket (Red, Orange, White, Yellow, Green, Blue, Purple, or Gray)																						
 <p>Rip Cord</p>	1700R	NEC:	4	U-1000	U-304.8	21.0	9.5	.204	5.18	9.0	3.0	66.0	1	2.0	65.3	63.3	60.8	100±12	20.0			
		CMR		1000	304.8	22.0	10.0	4	4.0	56.3	52.3	48.7	100±12	23.0								
		CEC:		3000▲	914.4	63.0	28.6	8	5.7	51.8	46.1	42.7	100±12	24.5								
		 <p>Rip Cord</p>		1701A	CMR FT4	3000▲	914.4	63.0	28.6	10	6.4	50.3	43.9	40.8	100±12	25.0						
					CEC:	3000▲	914.4	63.0	28.6	16	8.1	47.3	39.1	36.7	100±12	25.0						
					 <p>Rip Cord</p>	1701A	CMR FT6	3000▲	914.4	69.0	31.3	25	10.3	44.3	34.1	32.8	100±15	24.3				
							CEC:	3000▲	914.4	69.0	31.3	31.25	11.6	42.9	31.3	30.9	100±15	23.6				
							 <p>Rip Cord</p>	1701A	CMR FT6	3000▲	914.4	69.0	31.3	62.5	16.8	38.4	21.6	24.8	100±15	21.5		
									CEC:	3000▲	914.4	69.0	31.3	100	21.7	35.3	17.1	20.8	100±15	20.1		
									 <p>Rip Cord</p>	1701A	CMR FT6	3000▲	914.4	69.0	31.3	155	27.7	32.5	4.7	16.9	100±18	19.0
											CEC:	3000▲	914.4	69.0	31.3	200	32.0	30.8	3.0	14.7	100±20	19.0
 <p>Rip Cord</p>	1701A		CMR FT6								3000▲	914.4	69.0	31.3	250	36.4	29.3	—	12.8	100±20	18.0	
			CEC:								3000▲	914.4	69.0	31.3	350	44.3	27.2	—	9.9	100±22	17.0	

Jacket sequentially marked at 2 ft. intervals.
Third party verified to TIA/EIA-568-B.2, Category 5e • U.S. Patents 5,606,151 and 5,734,126
*3000 ft. put-up not available in Orange, Yellow nor Green.

Plenum • FEP Insulation • Flamarrest® Jacket (Red, Orange, Yellow, Green, Blue, Purple, Gray, White, Natural or Black)																						
 <p>Rip Cord</p>	1700R	NEC:	4	U-1000	U-304.8	23.0	10.5	.193	4.90	9.0	3.0	66.0	1	2.0	65.3	63.3	60.8	100±12	20.0			
		CMR		1000	304.8	24.0	10.9	4	4.0	56.3	52.3	48.7	100±12	23.0								
		CEC:		3000▲	914.4	63.0	28.6	8	5.7	51.8	46.1	42.7	100±12	24.5								
		 <p>Rip Cord</p>		1701A	CMR FT4	3000▲	914.4	63.0	28.6	10	6.4	50.3	43.9	40.8	100±12	25.0						
					CEC:	3000▲	914.4	63.0	28.6	16	8.1	47.3	39.1	36.7	100±12	25.0						
					 <p>Rip Cord</p>	1701A	CMR FT6	3000▲	914.4	69.0	31.3	25	10.3	44.3	34.1	32.8	100±15	24.3				
							CEC:	3000▲	914.4	69.0	31.3	31.25	11.6	42.9	31.3	30.9	100±15	23.6				
							 <p>Rip Cord</p>	1701A	CMR FT6	3000▲	914.4	69.0	31.3	62.5	16.8	38.4	21.6	24.8	100±15	21.5		
									CEC:	3000▲	914.4	69.0	31.3	100	21.7	35.3	17.1	20.8	100±15	20.1		
									 <p>Rip Cord</p>	1701A	CMR FT6	3000▲	914.4	69.0	31.3	155	27.7	32.5	4.7	16.9	100±18	19.0
											CEC:	3000▲	914.4	69.0	31.3	200	32.0	30.8	3.0	14.7	100±20	19.0
<p>Rip Cord</p>	1701A		CMR FT6								3000▲	914.4	69.0	31.3	250	36.4	29.3	—	12.8	100±20	18.0	
			CEC:								3000▲	914.4	69.0	31.3	350	44.3	27.2	—	9.9	100±22	17.0	

Jacket sequentially marked at 2 ft. intervals.
Third party verified to TIA/EIA-568-B.2, Category 5e • U.S. Patents 5,606,151 and 5,734,126
*3000 ft. put-up available in Blue or Natural only.

24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)

Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Red, Orange, Yellow, Green, White, Blue or Gray)																						
 <p>Rip Cord</p>	1500R	NEC:	4	1000	304.8	24.0	10.9	.194	4.93	9.0	3.0	66.0	1	2.0	65.3	63.3	60.8	100±12	20.0			
		CMR		A-1000	A-304.8	27.0	12.3	4	4.0	56.3	52.3	48.7	100±12	23.0								
		CEC:		3000▲	914.4	63.0	28.6	8	5.7	51.8	46.1	42.7	100±12	24.5								
		 <p>Rip Cord</p>		1500R	CMR FT4	3000▲	914.4	63.0	28.6	10	6.4	50.3	43.9	40.8	100±12	25.0						
					CEC:	3000▲	914.4	63.0	28.6	16	8.1	47.3	39.1	36.7	100±12	25.0						
					 <p>Rip Cord</p>	1500R	CMR FT4	3000▲	914.4	63.0	28.6	25	10.3	44.3	34.1	32.8	100±15	24.3				
							CEC:	3000▲	914.4	63.0	28.6	31.25	11.6	42.9	31.3	30.9	100±15	23.6				
							 <p>Rip Cord</p>	1500R	CMR FT4	3000▲	914.4	63.0	28.6	62.5	16.8	38.4	21.6	24.8	100±15	21.5		
									CEC:	3000▲	914.4	63.0	28.6	100	21.7	35.3	17.1	20.8	100±15	20.1		
									<p>Rip Cord</p>	1500R	CMR FT4	3000▲	914.4	63.0	28.6	155	27.7	32.5	4.7	16.9	100±18	19.0
											CEC:	3000▲	914.4	63.0	28.6	200	32.0	30.8	3.0	14.7	100±20	19.0
<p>Rip Cord</p>	1500R		CMR FT4								3000▲	914.4	63.0	28.6	250	36.4	29.3	—	12.8	100±20	18.0	
			CEC:								3000▲	914.4	63.0	28.6	350	44.3	27.2	—	9.9	100±22	17.0	

Jacket sequentially marked at 2 ft. intervals.
Third party verified to TIA/EIA-568-B.2, Category 5e

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • FEP = Fluorinated Ethylene-Propylene • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

For a complete selection of Belden® Data Cables, refer to the Networking Cables section of this catalog.

Color Codes

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

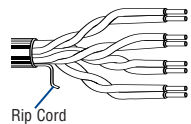
Data and Voice Cable

Category 5e UTP Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω /100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/100m)	Freq. (MHz)	Max. Atten. (dB/100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/100m)	Min. PSUM ELFEXT (dB/100m)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm										

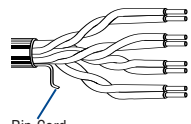
24 AWG Solid Bare Copper Conductors • Twisted Pairs • Rip Cord • See Color Code Chart (below)

Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Red, Orange, Yellow, Green, Blue, Gray, White or Pink)

 <p>Rip Cord</p>	80°C	1583R	NEC: 4 CMR CEC: CMP FT4	U-1000	U-304.8	21.0	9.5	.197	5.00	9.38	3.0	330	1	2.0	62.3	60.0	60.8	100±15	20.0
				1000	304.8	22.0	10.0				4	4.1	53.3	49.0	48.7	100±15	23.0		
				3000▲	914.4	63.0	28.6				10	6.5	47.3	41.0	40.8	100±15	25.0		
											16	8.2	44.3	36.0	36.7	100±15	25.0		
											31.25	11.7	39.9	28.0	30.9	100±15	23.6		
											62.5	17.0	35.4	19.0	24.8	100±15	21.5		
											100	22.0	32.3	11.0	20.8	100±15	20.1		
							200	32.0	27.8	1.0	14.7	100±25	15.0						

Jacket sequentially marked at 2 ft. intervals.
 Third party verified to TIA/EIA-568-B.2, Category 5e
 *3000 ft. put-ups available in Gray, White or Blue only.

Plenum • FRPO/FEP Insulation • Flamarrest® Jacket (Red, Orange, Yellow, Green, Blue, Gray, White, Natural, Black or Pink)

 <p>Rip Cord</p>	75°C	1585A	NEC: 4 CMP CEC: CMP FT6	U-1000	U-304.8	23.0	10.5	.195	4.95	9.38	3.0	330	1	2.0	62.3	60.0	60.8	100±15	20.0
				1000	304.8	24.0	10.9				4	4.1	53.3	49.0	48.7	100±15	23.0		
				3000•	914.4	69.0	31.4				10	6.5	47.3	41.0	40.8	100±15	25.0		
											16	8.2	44.3	36.0	36.7	100±15	25.0		
											31.25	11.7	39.9	28.0	30.9	100±15	23.6		
											62.5	17.0	35.4	19.0	24.8	100±15	21.5		
											100	22.0	32.3	11.0	20.8	100±15	20.1		
							200	32.0	27.8	1.0	14.7	100±25	15.0						

Jacket sequentially marked at 2 ft. intervals.
 Third party verified to TIA/EIA-568-B.2, Category 5e
 *3000 ft. put-up available in Natural or Blue only.

ACR = Attenuation Crosstalk Ratio • DCR = DC Resistance • ELFEXT = Equal Level Far-end Crosstalk • FEP = Fluorinated Ethylene-Propylene • FRPO = Flame-retardant Polyolefin • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • UTP = Unshielded Twisted Pair(s)

For a complete selection of Belden® Data Cables, refer to the Networking Cables section of this catalog.

Color Codes

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Video/RF Cable


Broadband CATV and DBS Coaxial Cables

Series 6 (RG-6/U Type)


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

Series 6 • 18 AWG Solid .040" Bare Copper Conductor • Duobond® + Aluminum Braid(s) Shield

Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black or White)


 <p>Shorting Fold</p>	80°C	7915A	NEC: CATV CM	U-500 500	U-152.4 152.4	16.5 18.0	7.5 8.2	18 AWG (solid)	.180	4.57	Duobond Plus®+ 77% & 80% Aluminum Braid	.275 6.99	75	83%	16.2	53.2	5	.5	1.6
			CEC: CM	U-1000 1000	U-304.8 304.8	31.0 31.0	14.1 14.1	.040" BC			4.6Ω/M' 15.1Ω/km						211	2.6	8.5
																	500	4.1	13.5
																	750	5.1	16.7
																	862	5.5	18.0
																	1000	6.0	19.7
																1450	7.8	25.6	
																1800	8.4	27.6	
																2250	9.8	32.2	

Shielding effectiveness is 125dB @ 1GHz.

	80°C	7916A	NEC: CATV CM	U-500 500	U-152.4 152.4	18.5 19.5	8.4 8.9	18 AWG (solid)	.180	4.57	Duobond IV* + 60% & 40% Aluminum Braids	.298 7.57	75	83%	16.2	53.2	5	.5	1.6
			CEC: CM	U-1000 1000	U-304.8 304.8	35.0 35.0	15.9 15.9	.040" BC			4.8Ω/M' 15.7Ω/km						211	2.6	8.5
																	500	4.1	13.5
																	750	5.1	16.7
																	862	5.5	18.0
																	1000	6.0	19.7
																1450	7.8	25.6	
																1800	8.4	27.6	
																2250	9.8	32.2	

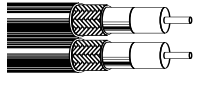
Shielding effectiveness is 125dB @ 1GHz.

Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black, Gray or White)


	80°C	1829AC	NEC: CATV CM	U-1000 [†] 1000 ^{††}	U-304.8 304.8	29.0 30.0	13.2 13.6	18 AWG (solid)	.180	4.57	Duobond II + 60% Aluminum Braid	.270 6.86	75	83%	16.2	53.2	5	.5	1.6
			CEC: CM					.040" BC			9.0Ω/M' 29.5Ω/km						211	2.6	8.5
																	500	4.1	13.5
																	750	5.1	16.7
																	862	5.5	18.0
																	1000	6.0	19.7
																1450	7.8	25.6	
																1800	8.6	28.9	
																2250	9.8	32.2	
																3000	11.3	39.0	

[†]U-1000 ft. put-up not available in White.

^{††}1000 ft. put-up not available in Gray.

	80°C	1841AC	NEC: CATV CM	500	152.4	33.5	15.2	18 AWG (solid)	.180	4.57	Duobond II + 60% Aluminum Braid	.273 6.93	75	83%	16.2	53.2	5	.5	1.6
			CEC: CM					.040" BC			9.0Ω/M' 29.5Ω/km	x .595	x 15.11				211	2.6	8.5
																	500	4.1	13.5
																	750	5.1	16.7
																	862	5.5	18.0
																	1000	6.0	19.7
																1450	7.8	25.6	
																1800	8.4	28.2	
																2250	10.1	32.2	
																3000	11.3	39.0	

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

	80°C	7916AP <small>new</small>	NEC: CATV CMP	U-1000 1000	U-304.8 304.8	32.0 31.0	14.5 14.1	18 AWG (solid)	.170	4.32	Duobond IV* + 60% & 40% Aluminum Braids	.248 6.30	75	83%	16.3	53.5	1	.3	1.0
			CEC: CMP FT6					.040" BC			4.8Ω/M' 15.7Ω/km						10	.7	2.2
																	50	1.6	5.3
																	100	2.2	7.2
																	200	3.0	9.8
																	400	4.6	15.1
																700	6.6	21.7	
																900	7.7	25.3	
																1000	8.2	26.9	

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. For additional selection of Belden® Video Cables, refer to the Coaxial and Broadcast Cables sections of this catalog.

* Duobond IV = Duobond II + 60% aluminum braid + Duofoil® tape + 40% aluminum braid.

Video/RF Cable

Broadband CATV Coaxial Cables

Series 6 (RG-6/U Type)

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

Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® II* + Aluminum Braid Shield (60% Coverage)

Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black, White or White Neutral)

80°C	9116	NEC: CATV CM CEC: CM	U-1000 [▲] 1000	U-304.8 304.8	30.0 31.0	13.6 14.1	18 AWG (solid) .040"	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M'	.270	6.86	75	83%	16.2	53.2	See Chart on page 6.92		
							28.0Ω/M'			91.9Ω/km							5	.5	1.6

▲U-1000 ft. put-up also available in Beige.

Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black, White, Gray or Neutral)

80°C	1829A	NEC: CATV CM CEC: CM	U-1000 1000	U-304.8 304.8	29.0 29.0	13.2 13.2	18 AWG (solid) .040"	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M'	.270	6.86	75	83%	16.2	53.2	5	.5	1.6
							28.0Ω/M'			91.9Ω/km							55	1.4	4.6
																	211	2.6	8.5
																	500	4.1	13.5
																	750	5.1	16.7
																	862	5.5	18.0
																	1000	6.0	19.7
																	1450	7.8	25.6
																	1800	8.6	28.2
																	2250	9.8	32.2
																	3000	11.3	37.1

80°C	1829R <small>new</small>	NEC: CATVR, CMR CEC: CMG FT4	U-1000* 1000	U-304.8 304.8	29.0 29.0	13.2 13.2	18 AWG (solid) .040"	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M'	.270	6.86	75	83%	16.2	53.2	5	.5	1.6
							28.0Ω/M'			91.9Ω/km							55	1.4	4.6
																	211	2.6	8.5
																	500	4.1	13.5
																	750	5.1	16.7
																	862	5.5	18.0
																	1000	6.0	19.7
																	1450	7.8	25.6
																	1800	8.6	28.2
																	2250	9.8	32.2
																	3000	11.3	37.1

*U-1000 ft. put-up not available in Neutral.

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

75°C	1829P <small>new</small>	NEC: CATVP, CMP CEC: CMP FT6	U-1000 1000	U-304.8 304.8	27.0 27.0	12.3 12.3	18 AWG (solid) .040"	.170	4.32	Duobond II + 60% Aluminum Braid 9.0Ω/M'	.235	5.97	75	83%	16.3	53.5	1	.3	1.0
							28.0Ω/M'			91.9Ω/km							10	.7	2.2
																	50	1.5	4.9
																	100	2.1	6.9
																	200	3.0	9.8
																	400	4.4	14.4
																	700	6.1	20.0
																	900	7.2	23.6
																	1000	7.6	24.9
																	1450	9.6	31.5
																	1800	11.0	36.1
																	2250	12.7	41.7
																	3000	15.1	49.5

Series 6 • 18 AWG Solid .040" Bare Copper-covered Steel Conductor • Duobond® IV* Quad Shield (60% and 40% Coverage)

Gas-injected Foam Polyethylene Insulation • PVC Jacket (Available in Black or White)

80°C	1189A	NEC: CATV CM CEC: CM	U-500 1000	U-152.4 304.8	18.0 35.0	8.2 15.9	18 AWG (solid) .040"	.180	4.57	Duobond IV 60% & 40% Aluminum Braids 4.8Ω/M'	.298	7.57	75	83%	16.2	53.2	See Chart on page 6.88		
							28.0Ω/M'			91.9Ω/km							Sweep tested 5 MHz to 1 GHz.		

*1000 ft. put-up also available in Beige or Neutral.

Plenum • Foam FEP Insulation • Natural Flamarrest Jacket

75°C	1189AP	NEC: CATVP, CMP CEC: CMP FT6	1000 [†] 1000	304.8 304.8	32.0 32.0	14.5 14.5	18 AWG (solid) .040"	.170	4.32	Duobond IV 60% & 40% Aluminum Braids 4.8Ω/M'	.248	6.30	75	83%	16.3	53.5	1	.3	1.0
							28.0Ω/M'			91.9Ω/km							10	.7	2.2
																	50	1.6	5.2
																	100	2.2	7.2
																	200	3.0	9.8
																	400	4.6	15.1
																	700	6.6	21.7
																	900	7.7	25.3
																	1000	8.2	26.9

BCCS = Bare Copper-covered Steel • DCR = DC Resistance

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. For additional selection of Belden® Video Cables, refer to the Coaxial and Broadcast Cables sections of this catalog.

* Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (60% coverage).
Duobond IV = Duobond II + 60% aluminum braid + Duofoil® tape + 40% aluminum braid.

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

Video Cable

Precision Video Cables for Analog and Digital Applications

RG-6/U and RG-59/U Types

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

RG-6/U Type • 18 AWG Solid .040" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*

SDI/HDTV	1694A	NEC:	500 [▲]	152.4	20.5	9.3	18 AWG	.180	4.57	Duofoil + 95%	.274	6.96	75	82%	16.2	53.2	1	.2	.8
Digital Video		CMR	1000	304.8	45.0	20.5	(solid)			TC Braid							3.6	.5	1.5
75°C		CEC:	4500	1371.6	202.5	91.9	.040"			2.8Ω/M'							10	.7	2.4
		CMG FT4					BC			9.2Ω/km							71.5	1.6	5.2
							6.4Ω/M'										135	2.1	6.9
							21.0Ω/km										270	3.0	9.7
																	360	3.4	11.3
																	540	4.3	13.9
																	720	4.9	16.1
																	750	5.0	16.4
																	1000	5.9	19.3
																	1500	7.3	24.0
																	2250	9.1	30.0
																	3000	10.7	35.0
																	4500	13.3	43.6



*500 ft. put-up available in Black only.
 *Available in Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or White.
 Black jacket suitable for Outdoor and Aerial applications.

Plenum • Foam FEP Teflon® Insulation • Flamarrest® Jacket (Available in 10 colors)**

SDI/HDTV	1695A	NEC:	500 ⁺	152.4	20.5	9.3	18 AWG	.170	4.32	Duofoil + 95%	.234	5.94	75	82%	16.2	53.2	1	.2	.8
Digital Video		CMP	1000 [†]	304.8	45.0	20.5	(solid)			TC Braid							3.6	.5	1.5
75°C		CEC:					.040"			2.8Ω/M'							10	.8	2.5
		CMG FT6					BC			9.2Ω/km							71.5	1.8	5.8
							6.4Ω/M'										135	2.4	7.9
							21.0Ω/km										270	3.4	11.2
																	360	4.0	13.1
																	540	5.2	17.1
																	720	6.1	20.0
																	750	6.2	20.3
																	1000	7.3	24.0
																	1500	9.2	30.2
																	2250	11.6	38.0
																	3000	13.7	44.9



*500 ft. put-up available in Black or Natural only.
 **Available in Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or Natural.
 Black jacket suitable for Outdoor and Aerial applications.

Gas-injected Foam HDPE Insulation • Overall Matte Black PVC Jacket (Color Code: See chart below)

SDI/HDTV	7713A	NEC:	500	152.4	463.0	210.0	18 AWG	.180	4.57	Duofoil + 95%	1.386	35.20	75	82%	16.2	53.2	1	.2	.8
Digital Video		CMR	1000	304.8	904.0	410.4	(solid)			TC Braid							3.6	.5	1.5
75°C		CEC:					.040"			3.0Ω/M'							10	.7	2.4
		CMG FT4					BC			9.8Ω/km							71.5	1.6	5.2
							6.4Ω/M'										135	2.1	6.9
							21.0Ω/km										270	3.0	9.7
																	360	3.4	11.3
																	540	4.3	13.9
																	720	4.9	16.1
																	750	5.0	16.4
																	1000	5.9	19.3
																	1500	7.3	24.0
																	2500	9.1	31.8
																	3000	10.7	35.0



RG-59/U Type • 20 AWG Solid .032" Bare Copper Conductor • Duofoil (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*

SDI/HDTV	1505A	NEC:	500 [▼]	152.4	15.5	7.0	20 AWG	.145	3.68	Duofoil + 95%	.233	5.92	75	83%	16.3	53.5	1	.3	1.0
Digital Video		CMR	1000 ⁺	304.8	35.0	15.9	(solid)			TC Braid							3.6	.6	1.8
75°C		CEC:	5000 ⁺	1524.0	165.0	74.9	.032"			3.8Ω/M'							10	.9	2.9
		CMG FT4					BC			12.5Ω/km							71.5	2.1	6.9
							10.0Ω/M'										135	2.7	8.9
							32.8Ω/km										270	3.8	12.5
																	360	4.4	14.4
																	540	5.5	18.0
																	720	6.4	21.0
																	750	6.5	21.3
																	1000	7.6	24.9
																	1500	9.3	30.5
																	2250	11.6	38.0
																	3000	13.4	44.0
																	4500	16.4	53.8

*500 ft. put-up available in Black, Red or Blue only.
 *1000 ft. and 5000 ft. put-ups available in all ten colors: Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or White.

BC = Bare Copper • DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1.
 Request quotations of RG/U cables not listed. For additional selection of Belden® Video Cables, refer to the Coaxial and Broadcast Cables sections of this catalog.

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

Teflon is a DuPont trademark.

Color Code Chart

Cond.	Color	Cond.	Color
1	Red	6	Brown
2	Green	7	Orange
3	Blue	8	Gray
4	White	9	Purple
5	Yellow	10	Black



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


Video Cable

Bundled RGB Precision Video Cable and
Miniature Hi-Res Component Video Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	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

25 AWG Solid .018" Tinned Copper Conductors • Duobond® + Tinned Copper Interlocked Serve Shield (95% Coverage)


FPFA Insulation • Inner PVC Jacket (Color Code: Red, Green, Blue, White, Yellow) • Overall Black PVC Jacket

	300V RMS 60°C	1277R <small>new</small>	NEC: CMR: CEC: CMG	3	500† 1000†	152.4 304.8	25.5 48.0	11.6 21.8	25 AWG (solid) .018"	.074 Coax OD: 2.90	1.88	Duobond + 95% TC Braid	.320 8.13	75	80%	17.0 55.8	1 5 50 100 200 400 750 900 1000 3000	.5 1.2 3.7 4.9 6.7 9.5 13.4 15.0 15.8 31.2	1.7 3.8 12.1 16.1 22.0 31.2 44.0 49.2 51.8 102.4
									34.0Ω/M' 111.6Ω/km			5.4Ω/M' 17.7Ω/km							
		1278R <small>new</small>	NEC: CMR: CEC: CMG	4	500† 1000†	152.4 304.8	31.5 60.0	14.3 27.2	same as above	.074 Coax OD: 2.90	1.88	same as above	.351 8.92						
		1279R <small>new</small>	NEC: CMR: CEC: CMG	5	250† 500† 1000†	76.2 152.4 304.8	21.8 40.5 80.0	9.9 18.4 36.3	same as above	.074 Coax OD: 2.90	1.88	same as above	.403 10.24						
		1280R <small>new</small>	NEC: CMR: CEC: CMG	6	500† 1000†	152.4 304.8	44.0 87.0	20.0 39.5	same as above	.074 Coax OD: 2.90	1.88	same as above	.423 10.74						

100% Sweep tested. 5 MHz to 850 MHz.

Miniature • 25 AWG Solid .018" Tinned Copper Conductors • Duobond® (100% Coverage) + TC Braid Shield (95% Coverage)

Plenum • FPFA Insulation • Black Flamarrest® Jacket

		1282P <small>new</small>	NEC: CMP: CEC: CMP FT6	1	1000	304.8	10.0	4.5	25 AWG (solid) .018" TC	.074 Coax OD: 2.90	1.88	Duobond (100%) + TC Braid	.114 2.90	75	81%	17.0 55.2	1 5 50 100 200 400 700 900 1000 3000	.4 .9 3.7 5.0 7.0 10.0 14.5 17.0 17.5 37.0	1.3 3.0 12.1 16.4 23.0 32.8 47.6 55.8 57.4 121.4
									31.8Ω/M' 104.3Ω/km			5.8Ω/M' 19.0Ω/km							

Sweep Tested 5 MHz to 850 MHz.
Guaranteed Return Loss -20dB Max.

BC = Bare Copper • DCR = DC Resistance • FPFA = Foam Perfluoroalkoxy • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a more Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

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

Video Cable

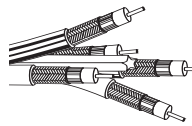
RGB Component Video Cable

Banana Peel® Unjacketed Bundles Mini Hi-Res Component Video

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	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.

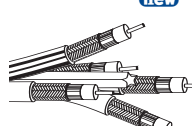
Miniature • 25 AWG Solid .018" TC Conductors • Duobond® (100% Coverage) + TC Interlocked Serve Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • PVC Jackets (Color Code: See chart below) • Center Spine • No Overall Jacket

	1281S3 <small>new</small>	NEC: CMR CEC: CMG	3	500 [†] 1000 [†]	152.4 304.8	17.0 31.0	7.7 14.1	25 AWG (solid) .018" TC 34.0Ω/M' 111.6Ω/km	.074	1.88	Duobond (100%) + TC Serve (95%) 5.4Ω/M' 17.7Ω/km	Single: .114 2.90 Overall: .246 6.25	75	80%	17.0	.8	1 5 50 100 200 400 750 900 1000 3000	.5 1.2 3.7 4.9 6.7 9.5 13.4 15.0 15.8 31.2	1.7 3.8 12.1 16.1 22.0 31.2 44.0 49.2 51.8 102.4	
	1281S4 <small>new</small>	NEC: CMR CEC: CMG	4	500 [†] 1000 [†]	152.4 304.8	23.5 44.0	10.7 20.0	same as above	.074	1.88	same as above	Single: .114 2.90 Overall: .275 6.99								
	1281S5 <small>new</small>	NEC: CMR CEC: CMG	5*	250 [†] 500 [†] 1000 [†]	76.2 152.4 304.8	16.0 28.5 55.0	7.3 12.9 25.0	same as above	.074	1.88	same as above	Single: .114 2.90 Overall: .308 7.82								
	1281S6 <small>new</small>	NEC: CMR CEC: CMG FT4	6*	500 [†] 1000 [†]	152.4 304.8	33.5 68.0	15.2 30.8	same as above	.074	1.88	same as above	Single: .114 2.90 Overall: .342 8.69								

100% Sweep tested. 5 MHz to 850 MHz.
Guaranteed Return Loss -20db max.
U.S. Patent 7,049,523.

Plenum • FPFA • Flamarrest® Jackets (Color Code: See chart below) • Center Spine • No Overall Jacket

	1282S3 <small>new</small>	NEC: CMP CEC: CMP	3	500 1000	152.4 304.8	18.5 34.0	8.4 15.4	25 AWG (solid) .018" TC 34.0Ω/M' 111.6Ω/km	.075	1.91	Duobond (100%) + TC Serve (95%) 5.4Ω/M' 17.7Ω/km	Single: .114 2.90 Overall: .246 6.25	75	81%	16.8	55.2	1 5 50 100 200 400 750 1000 2250 3000	.5 1.2 3.8 5.2 7.1 10.0 14.3 16.9 25.5 33.9	1.6 3.9 12.1 17.1 23.1 32.9 47.0 55.4 83.6 111.3	
	1282S4 <small>new</small>	NEC: CMP CEC: CMP	4	500 1000	152.4 304.8	25.5 49.0	11.6 22.2	same as above	.075	1.91	same as above	Single: .114 2.90 Overall: .275 6.99								
	1282S5 <small>new</small>	NEC: CMP CEC: CMP	5*	250 500 1000	76.2 152.4 304.8	18.0 33.0 67.0	8.2 15.0 30.4	same as above	.075	1.91	same as above	Single: .114 2.90 Overall: .308 7.82								
	1282S6 <small>new</small>	NEC: CMP CEC: CMP	6*	500 1000	152.4 304.8	39.5 80.0	17.9 36.3	same as above	.075	1.91	same as above	Single: .114 2.90 Overall: .342 8.69								

100% Sweep tested. 5 MHz to 850 MHz.
Guaranteed Return Loss -20db max.
U.S. Patent 7,049,523.

DCR = DC Resistance • FPFA = Foam Perfluoroalkoxy • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a more Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of cables not listed.

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

*Also available with all Black jackets.

Color Code Chart:

Cond.	Color	Cond.	Color
1	Red	4	Yellow
2	Green	5	Black
3	Blue	6	White

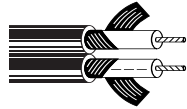
Video Cable

High-Flex S-Video Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	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

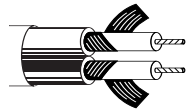
High-Flex S-Video • 30 AWG Stranded (7x38) Tinned Copper Conductors • Tinned Copper Serve Shield (90% Coverage)

Foam HDPE Insulation • Matte Black PVC Jacket (One Coax Printed and Striped for Identification)																					
Parallel Zip Construction	1807A		2	U-500	U-152.4	8.0	3.6	30 AWG (7x38)	.056	1.42	TC Serve	.110	2.79	75	78%	17.3	56.7	1	.6	2.0	
				500	152.4	7.5	3.4											5	1.4	4.6	
				U-1000	U-304.8	15.0	6.8											10	2.1	6.9	
				1000	304.8	14.0	6.4											30	3.8	12.5	
																		50	5.1	16.7	
																		100	7.6	24.9	
				200	11.3	37.1															
				400	16.9	55.4															
				700	23.3	76.4															
				900	26.9	88.2															
				1000	28.6	93.8															



For Plenum version of 1807A, see 7700A.

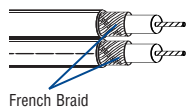
Foam HDPE Insulation • Matte Black PVC Jacket (Inner PVC Jackets Color Code: Black and Yellow)																					
Round Construction	1808A <small>new</small>		2	U-500	U-152.4	14.5	6.6	30 AWG (7x38)	.058	1.47	TC Serve	.255	.84	75	78%	17.3	56.7	1	.6	2.0	
				500	152.4	16.5	7.5											5	1.4	4.6	
				U-1000	U-304.8	31.0	14.1											10	2.1	6.9	
				1000	304.8	33.0	15.0											30	3.8	12.5	
																		50	5.1	16.7	
																		100	7.6	24.9	
				200	11.3	37.1															
				400	16.9	55.4															
				700	23.3	76.4															
				900	26.9	88.2															
				1000	28.6	93.8															



Available in Plenum versions by special order only.

High-Flex S-Video • 30 AWG Stranded (7x38) .012" Tinned Copper Conductors • Tinned Copper "French Braid" Shield (98% Coverage)

Plenum • Foam FEP Teflon® Insulation • Matte Black Flamarrest® Jacket (One Coax Printed and Striped for Identification)																					
Parallel Zip Construction	7700A <small>new</small>	NEC: CMP CEC: CMP FT6	2	500	152.4	8.5	3.9	30 AWG (7x38)	.053	1.35	TC	.107	2.72	75	78%	17.3	56.7	1	.5	2.3	
				1000	304.8	17.0	7.7											5	1.7	5.6	
																		10	2.3	7.5	
																		30	4.1	13.4	
																		50	5.3	17.4	
																		100	7.6	24.9	
				200	11.8	38.7															
				400	17.6	57.7															
				700	24.2	79.4															
				900	28.0	91.8															
				1000	29.8	97.7															



BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HDPE = High-density Polyethylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. For additional selection of Belden® Video Cables, refer to the Coaxial and Broadcast Cables sections of this catalog.

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

Teflon is a DuPont trademark.


Speaker Cable

Multi-conductor Cables for Residential, Light Commercial and Institutional Applications


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 • 16 AWG Stranded (19x29) Bare Copper Conductors • Rip Cord

Non-Plenum • PVC Insulation • Gray PVC Jacket

 <p>Rip Cord</p>	300V 75°C	5200UE	NEC: CMR CEC: CMG FT4	2	Black, Red	C-500 U-500 500	C-152.4 U-152.4 152.4	11.5 5.2	5.2 5.9	.010	.25	.015	.38	.184	4.67
						U-1000 1000	U-304.8 304.8	25.0 25.0	11.4 11.4						

Jacket sequentially marked at 2 ft. intervals.

 <p>Rip Cord</p>	300V 75°C	5202UE	NEC: CMR CEC: CMG FT4	4	Black, Red, White, Green	U-500 500	U-152.4 152.4	23.5 10.7	10.4	.010	.25	.015	.38	.216	5.49
						U-1000 1000	U-304.8 304.8	45.0 47.0	20.4 21.3						

Jacket sequentially marked at 2 ft. intervals.


Plenum • Flamarrest® Insulation • Natural Flamarrest Jacket

 <p>Rip Cord</p>	300V 75°C	6200UE	NEC: CMP CEC: CMP FT6	2	Black, Red	500 U-1000 1000	152.4 U-304.8 304.8	13.0 5.9	5.9 11.4	.009	.23	.015	.38	.180	4.57
								25.0 11.4	11.4						
									26.0 11.8	11.8					

Jacket sequentially marked at 2 ft. intervals.

Multi-conductor • 14 AWG Stranded (19x27) Bare Copper Conductors • Rip Cord

Non-Plenum • PVC Insulation • PVC Jacket (Available in Red or Gray)


 <p>Rip Cord</p>	300V 75°C	5100UE	NEC: CL3R FPLR*	2	Black, White	500 [†] U-1000 [†] 1000	152.4 U-304.8 304.8	20.0 9.1	9.1 17.2	.014	.36	.015	.38	.234	5.94
								38.0 17.2	17.2						
									40.0 18.2	18.2					

[†]500 ft. and U-1000 ft. put-ups available in Gray only.

*Red jacket only suitable for Fire Alarm applications.

Jacket sequentially marked at 2 ft. intervals.


Plenum • Flamarrest Insulation • Natural Flamarrest Jacket

 <p>Rip Cord</p>	150V 75°C	6100UE	NEC: CL2P	2	Black, White	500 U-1000 1000 5000	152.4 U-304.8 304.8 1524.0	19.5 8.9	8.9 17.2	.011	.28	.015	.38	.222	5.64
								38.0 17.2	17.2						
									38.0 17.2	17.2					
									195.0 88.5	88.5					

Jacket sequentially marked at 2 ft. intervals.

Multi-conductor • 12 AWG Stranded (19x25) Bare Copper Conductors • Rip Cord

Non-Plenum • PVC Insulation • PVC Jacket (Available in Red or Gray)

 <p>Rip Cord</p>	300V 75°C	5000UE	NEC: CL3R FPLR*	2	Black, White	500 [†] 1000	152.4 304.8	29.0 13.2	13.2 25.9	.014	.36	.015	.38	.268	6.81
								57.0 25.9	25.9						

[†]500 ft. put-up available in Gray only.

*Red jacket only suitable for Fire Alarm applications.

Jacket sequentially marked at 2 ft. intervals.

For additional selection of Belden® Security, Alarm and Communications Cables, refer to the New Generation® Cables section of this catalog.