

Line Level Analog Audio Cable

Single-Pair Cables



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

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

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

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

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

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

300V RMS 60°C	1883A	NEC: CMR CEC: CMG FT4	1	Black, Red	U-1000 1000 *	U-304.8 304.8	11.0 11.0	5.0 5.0	.008 .008	.20 .20	.020 .020	.51 .51	.123 .123	3.12 3.12	31	102	58	190
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*1000 ft. put-up available in Gray only.

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

For cross-connect use with 1408R (et al.) Snake Cables, see page 19.18.

Polyolefin Insulation • Black Matte PVC Jacket

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

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

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

Polyethylene Insulation • Chrome PVC Jacket

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

Plenum • FEP Insulation • Red FEP Jacket

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

300V RMS 60°C, Non-conduit	82641	NEC: CMP CEC: CMP FT6	1	Black, Red	U-1000 †† 1000 ††	U-304.8 304.8	9.0 8.0	4.1 3.6	.006 .006	.15 .15	.014 .014	.36 .36	.106 .106	2.69 2.69	31	102	59	194
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FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

*Capacitance between conductors.

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

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

††Length may vary ±10% for UnReel.

Line Level Analog Audio Cable

Single-Pair Cables



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

22 AWG Stranded (7x30) TC Conductors • Twisted Pair • Overall Beldfoil® Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire

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

300V RMS 60°C	1266A	NEC: CM	1	Black, Red	U-1000	U-304.8	15.0	6.8	.010	.25	.020	.51	.143	3.63	30	99	54	177
		CEC: CM			1000 ▲	304.8	15.0	6.8										

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

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

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

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

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

Polypropylene Insulation • Paper Wrap • Gray or Black PVC Jacket

300V RMS 75°C	8451	NEC: CMR	1	Black, Red	100 ▼	30.5	2.3	1.1	.008	.20	.020	.51	.138	3.51	34	111	67	220
		CEC: CMG FT4			U-500	U-152.4	8.5	3.9										
					500	152.4	8.0	3.6										
					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)

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

LSZH and ABS Type Approved 300V RMS 105°C	9451SB new	NEC: CMG-LS	1	Black, Red	1000	304.8	20.0	9.1	.008	.20	.032	.81	.160	4.06	35	114	67	220
		CEC: CMG-LS FT4 Limited Smoke																

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

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

300V RMS 60°C	9451P new	NEC: CMP	1	Black, Red	U-1000	U-304.8	16.0	7.3	.007	.18	.017	.43	.127	3.23	35	115	67	220
		CEC: CMP FT6			5000	1524.0	75.0	34.0										

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

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

Polypropylene Insulation • Gray or Black PVC Jacket

300V RMS 75°C	8450	NEC: CM	1	Black, Red	U-500 *	U-152.4	7.5	3.4	.007	.18	.018	.46	.118	3.00	40	131	76	249
		CEC: CM			U-1000 *	U-304.8	14.0	6.4										
					1000	304.8	13.0	5.9										

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

Belden's Miniature Type Broadcast Audio and Instrumentation Cables occupy 1/2 to 2/3 less space than standard cables.

FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

*Capacitance between conductors.

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

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

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

Line Level Analog Audio Cable

Single-Pair Cables



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

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

Polyethylene Insulation • Chrome PVC Jacket

Low-Capacitance UL AWM Style 2092 (300V RMS 60°C) 	8761	NEC:	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 	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 Fluorocopolymer Jacket

300V RMS 150°C 	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 	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) 	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) 	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

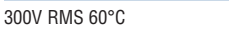
Double-Pair Cables



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)

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

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)

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

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

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

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

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)

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)

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

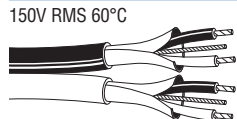
Single- and Double-Pair Cables



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 x .286	3.63 x 7.26	57	187	100	328
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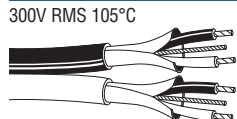


*2000 ft. put-up available in Red & Gray or Red & Green only.

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 x .270	3.43 x 6.86	34	112	67	220
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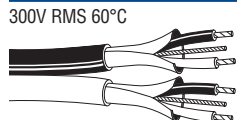


*2000 ft. put-up available in Red & Green only.

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

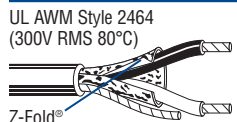
300V RMS 60°C	9451DP NEW	NEC: CMP CEC: CMP FT6	2	Black & Red, Black & White	1000	304.8	24.0	10.9	.007 .18	.017 .43	.127 x .269	3.23 x 6.83	35	115	67	220
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The jacket and shield are bonded so both can be removed on automatic stripping equipment. Drain 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**

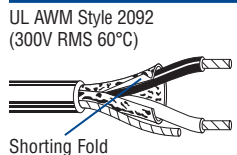
UL AWM Style 2464 (300V RMS 80°C)	9154	NEC: CMG CEC: CMG FT4	1	Black, Red	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	11.5 12.0 22.0 23.0	5.2 5.5 10.0 10.5	.014 .36	.031 .79	.198 5.03	60	197	100	328
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9154 has 22 AWG stranded tinned copper drain 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
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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
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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
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FEP = Fluorinated Ethylene Propylene • TC = Tinned Copper

*Capacitance between conductors.

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

BELDEN

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

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

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

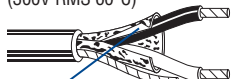
Polyethylene Insulation • Chrome PVC Jacket

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)

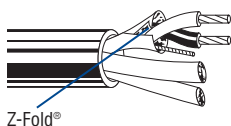
Between Conductors	35 pF/Ft. (115 pF/m)
Between Conductor/Shield*	76 pF/Ft. (249 pF/m)

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.

Analog Multi-Pair Snake Cable

CMP Rated (Plenum) Cables

Individually Shielded Twisted Pairs



Individually Shielded Pairs

NEC: CMP (CEC: CMP FT6)

Product Description

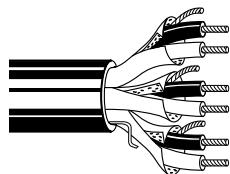
22 AWG stranded (7x30) bare copper conductor. FEP insulation. Twisted pairs individual Beldfoil® shield (100% Coverage) with drain wire. Multiple pairs cable together. Overall Gray fluorocopolymer jacket and rip cord. Sequential footage marking every two feet.

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

Specifications

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

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene



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

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

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

AES/EBU Digital Audio Cable

Single- and Double-Pair Cables



Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		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 FT41
Black,
White

1000

304.8

10.0

4.5

37.3Ω/M'
122.3Ω/km23.1Ω/M'
75.8Ω/km

.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

1800BNEC:
CMG
CEC:
CMG FT41
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.*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:
CL2R1
Black,
Red

500*

152.4

12.0

5.5

23.7Ω/M'

5.0Ω/M'

.211

5.36

110

76%

12

39

26

85



French Braid

U-1000

U-304.8

26.0

11.8

77.7Ω/km

16.4Ω/km

1000*

304.8

24.0

10.9

*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

1801BNEC:
CMP
CEC:
CMP FT61
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

1802BNEC:
CMG
CEC:
CMG FT42
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

1000

304.8

37.0

16.8

x

x

.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.

BELDEN

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

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

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**

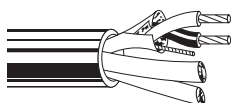
Conductor 23.3Ω/M' (76.4Ω/km)
Shield 14.4Ω/M' (47.2Ω/km)

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)

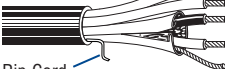
24 AWG							
82729	2	U-1000 1000	U-304.8 304.8	26.0 28.0	11.8 12.7	.255	6.48
89729	2	500 1000	152.4 304.8	17.0 31.0	7.7 14.1	.261	6.63
89730	3	500 1000	152.4 304.8	21.5 40.0	9.8 18.2	.278	7.06
89728	4	500 1000	152.4 304.8	26.5 50.0	12.0 22.7	.307	7.80
89705	5	500 1000	152.4 304.8	30.5 62.0	13.9 28.2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

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

Special Application Audio, Communication and Instrumentation Cable

Multimedia Control Cables



Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD		Nominal Capacitance					
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm	* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m		
22 AWG Stranded (7x30) TC Conductors (Data), STP w/Beldfoil®, TC Drain Wire • 18 AWG (16x30) TC Conductors (Power), Unshielded Pair																				
FPE Insulation (Data) • F-R PVC Insulation (Power) • F-R PVC Jacket (Available in Black, White or Aqua)																				
300V 75°C		1502R NEC: CMR CEC: CMG FT4	1 STP +2/C	Pair: Blue, White Cond.: Red, Black	500	152.4	20.0	9.1	Data:		.039	.99	.250	6.35	14	46	38	125		
					1000	304.8	44.0	20.0	.025 .64											
												Power:		.013 .33						
															22 AWG Data Pair Impedance: 100Ω					

Sequential footing marking every two feet.

22 AWG (7x30) TC Conductors, STP w/Beldfoil, TC Drain Wire • 18 AWG (16x30) TC Conductors Unshielded • Polypropylene Binder Tape																		
Plenum • Foam FEP Insulation (Data) • Flamarrest® Insulation (Power) • Natural Flamarrest Jacket																		
300V 60°C (75°C non-UL)	1502P	NEC: CMP CEC: CMP FT6	1 STP +2/C	Pair: Blue, White Cond.: Red, Black	1000	304.8	31.0	14.1	Data: .025 Power: .011	.015 .64 .28	.015 .381	.205 5.21	14 46	38 125	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 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	8241	NEC:	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
Style 1354		CM	U-500	U-152.4	19.5	8.8	(solid)			95% Shield							10	1.1	3.6
(30V 75°C)			500	152.4	18.5	8.4	.023"			Coverage							50	2.4	7.9
VW-1			U-1000	U-304.8	38.0	17.2	BCCS			2.6Ω/M'							100	3.4	11.2
300V RMS (UL)			1000	304.8	40.0	18.1	49.0Ω/M'			8.5Ω/km							200	4.9	16.1
1700V RMS (non-UL)			2000	609.6	80.0	36.3	160.7Ω/km										400	7.0	23.0
			5000	1524.0	200.0	90.7											700	9.7	31.8
																	900	11.1	36.4
																	1000	12.0	39.4

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	8241A	NEC:	U-1000	U-304.8	40.0	18.1	23 AWG	.146	3.71	BC Braid	.242	6.15	75	66%	20.5	67.3	1	.6	2.0
Style 1354		CMG	1000	304.8	42.0	19.0	(solid)			95% Shield							5	.9	3.0
(30V 75°C)		CEC:					.023"			Coverage							10	1.1	3.6
300V RMS (UL)		CMG FT4					BCCS			2.6Ω/M'							50	2.4	7.9
							49.0Ω/M'			8.5Ω/km							100	3.4	11.2
							160.7Ω/km										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	8241B	NEC:	U-1000	U-304.8	36.0	16.3	23 AWG	.146	3.71	BC Braid	.242	6.15	75	66%	20.5	67.3	1	.4	1.3
Style 1354		CM	1000	304.8	37.0	16.8	(solid)			95% Shield							10	1.1	3.6
(30V 80°C)		CEC:					.023"			Coverage							50	2.4	7.9
300V RMS (UL)		CM					BC			2.9Ω/M'							100	3.4	11.2
1700V RMS (non-UL)							20.4Ω/M'			9.5Ω/km							200	4.9	16.1
							66.9Ω/km										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	8241F	—	1000	304.8	35.0	15.9	22 AWG	.146	3.71	BC Braid	.242	6.15	75	78%	17.3	56.8	1	.3	1.0
60°C							(7x30)			95% Shield							10	.9	3.0
300V RMS (non-UL)							.030"			Coverage							50	2.1	6.9
							BC			2.6Ω/M'							100	3.0	9.8
							15.0Ω/M'			8.5Ω/km							200	4.5	14.8
							49.2Ω/km										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:	500	152.4	18.0	8.2	23 AWG	.132	3.35	BC Braid	.190	4.83	75	69.5%	19.5	64.0	1	.5	1.6
300V RMS (UL)		CMP	1000	304.8	36.0	16.3	(solid)			97% Shield							10	1.0	3.3
1700V RMS (non-UL)		CEC:					.023"			Coverage							50	2.3	7.5
		CMP FT6					BCCS			2.6Ω/M'							100	3.3	10.8
							49.0Ω/M'			8.5Ω/km							200	5.2	17.1
							160.7Ω/km										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 Flamarrest® Jacket

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

BELDEN

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

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

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

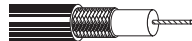
22 AWG Stranded (7x30) .030" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)**Foam Polyethylene Insulation • Black PVC Jacket**

UL AWM	9659	NEC:	U-500	U-152.4	19.0	8.6	22 AWG	.146	3.71	BC Braid	.242	6.15	75	78%	17.3	56.7	1	.3	1.0
Style 1354		CMX	U-1000	U-304.8	37.0	16.8	(7x30)			95% Shield							10	.9	3.0
(30V 80°C)		CEC:	1000	304.8	38.0	17.2	.030"			Coverage							50	2.1	6.9
VW-1, FT-1		CMX					BC			2.6Ω/M'							100	3.0	9.8
							15.0Ω/M'			8.5Ω/km							200	4.5	14.8
							49.2Ω/km										400	6.6	21.6
																	700	8.9	29.2
																	900	10.1	33.1
																	1000	10.9	35.8



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

UL AWM	9259	NEC:	100	30.5	4.1	1.9	22 AWG	.146	3.71	BC Braid	.241	6.12	75	78%	17.3	56.7	1	.3	1.0
Style 1354		CM	U-500	U-152.4	18.0	8.2	(7x30)			95% Shield							10	.9	3.0
(30V 80°C)		CEC:	500	152.4	16.5	7.5	.030"			Coverage							50	2.1	6.9
300V RMS (UL)		CM	U-1000	U-304.8	35.0	15.9	BC			2.6Ω/M'							100	3.0	9.8
			1000	304.8	37.0	16.8	15.0Ω/M'			8.5Ω/km							200	4.5	14.8
							49.2Ω/km										400	6.6	21.7
																	700	8.9	29.2
																	900	10.1	33.1
																	1000	10.9	35.8



For CCTV, Indoor and Outdoor applications.

Plenum • Foam FEP Insulation • Black FEP Jacket

200°C	89259	NEC:	100	30.5	5.1	2.3	22 AWG	.135	3.43	BC Braid	.193	4.90	75	78%	17.3	56.7	1	.3	1.0
300V RMS (UL)		CMP	500	152.4	16.0	7.3	(7x30)			95% Shield							10	.9	3.0
		CEC:	1000	304.8	32.0	14.5	.030"			Coverage							50	2.1	6.9
		CMP FT6					BC			2.6Ω/M'							100	3.0	9.8
							15.0Ω/M'			8.5Ω/km							200	4.5	14.8
							49.2Ω/km										400	6.6	21.6
																	700	9.0	29.5
																	900	10.1	33.1
																	1000	11.0	36.1



Suitable for Outdoor and Direct Burial applications.

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

75°C	82259	NEC:	U-1000	U-304.8	31.0	14.1	22 AWG	.135	3.43	BC Braid	.193	4.90	75	78%	17.3	56.7	1	.3	1.0
300V RMS (UL)		CMP	1000	304.8	30.0	13.6	(7x30)			95% Shield							10	.9	3.0
		CEC:					.030"			Coverage							50	2.1	6.9
		CMP FT6					BC			2.6Ω/M'							100	3.0	9.8
							15.0Ω/M'			8.5Ω/km							200	4.5	14.8
							49.2Ω/km										400	6.6	21.6
																	700	9.0	29.5
																	900	10.1	33.1
																	1000	11.0	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.

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

Polyethylene Insulation • Black Polyethylene Jacket

	8215 — 1000 304.8 74.0 33.6 21 AWG (solid) .028" BCCS 32.0Ω/M' 105.0Ω/km	.185 4.70 (2) BC Braids 98% Shield Coverage 1.1Ω/M' 3.6Ω/km	.332 8.43 75 66% 20.5 67.2	1 .4 1.3 .8 2.6 50 1.9 6.2 100 2.7 8.9 200 4.1 13.4 400 5.9 19.4 700 8.1 26.6 900 9.4 30.8 1000 9.8 32.1						
					100% Sweep tested. 5 MHz to 450 MHz.					



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	.180	4.57	(2) BC	.288	7.32	75	81%	17.3	56.7	1	.2	.7
		CM	2000	609.6	118.0	53.5	(solid)			Braids							10	.7	2.3
		CEC:					.037"			98% Shield							50	1.7	5.6
		CM					BC			Coverage							100	2.5	8.2
							7.5Ω/M'			2.0Ω/M'	100% Sweep tested. 5 MHz to 450 MHz.						200	3.6	11.8
							24.6Ω/km			6.6Ω/km							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.																			



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	9248	NEC:	U-500	U-152.4	16.5	7.5	18 AWG	.180	4.57	Duofoil	.270	6.86	75	82%	16.2	53.1	1	.3	1.0
Style 1354		CM	500	152.4	15.0	6.8	(solid)			+ 60% TC							10	.7	2.3
(30V 80°C)		CEC:	U-1000	U-304.8	32.0	14.5	.040"			Braid							50	1.5	4.9
		CM	1000	304.8	33.0	15.0	BC			5.6Ω/M'							100	2.0	6.6
			1640	500.0	55.8	25.3	6.4Ω/M'			18.4Ω/km							200	2.8	9.2
			3280	1000.0	108.2	49.2	21.0Ω/km										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	.170	4.32	Duofoil	.222	5.64	75	82%	16.5	54.1	1	.3	1.0	
		CMP	1000	304.8	33.0	15.0	(solid)			+ 65% TC							10	.7	2.3	
		CEC:	2000	609.6	64.0	29.0	.040"			Braid							50	1.5	4.9	
							BC			5.1Ω/M'							100	2.1	6.9	
		CMP FT6					6.4Ω/M'			16.7Ω/km							200	3.1	10.2	
							21.0Ω/km										400	4.5	14.8	
																	700	6.0	19.7	
																		900	6.9	22.6
Suitable for Outdoor and Direct Burial applications.																		1000	7.3	23.3



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	.170	4.32	Duofoil	.222	5.64	75	82%	16.5	54.1	1	.3	1.0
			CMP	1000	304.8	31.0	14.1	(solid)			+ 65% TC							10	.7	2.3
			CEC:					.040"	Braid									50	1.6	5.2
			CMP FT6					BC			5.1Ω/M'							100	2.2	7.2
								6.4Ω/M'			16.7Ω/km							200	3.0	9.8
								21.0Ω/km										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.

Standard Analog Video Cable

75 Ohm Coax

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

18 AWG Stranded (7x26) .048" Tinned Copper Conductor • Bare Copper Braid Shield (97% Coverage)**Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket**

80°C	8238	NEC: CM	500	152.4	59.0	26.8	18 AWG (7x26)	.285	7.24	BC Braid 97% Shield	.405	10.29	75	66%	20.5	67.2	1	.2	.6
		CEC: CM	1000	304.8	117.0	53.2	.048"			Coverage							10	.7	2.2
							TC			1.2Ω/M'							50	1.3	4.3
							6.1Ω/M'			3.9Ω/km							100	2.0	6.6
							20.0Ω/km										200	2.9	9.5
																	400	4.2	13.8
																	700	5.8	19.0
																	900	6.8	22.3
																	1000	7.1	23.3

Suitable for Indoor and Outdoor applications.

Polyethylene Insulation • Black PVC Jacket*

60°C	8261	CEC: CXC	500	152.4	52.5	23.9	18 AWG (7x26)	.285	7.24	BC Braid 97% Shield	.405	10.29	75	66%	20.5	67.2	1	.2	.6
VW-1			1000	304.8	104.0	47.3	.048"			Coverage							10	.7	2.2
							TC			1.2Ω/M'							50	1.3	4.3
							6.1Ω/M'			3.9Ω/km							100	2.0	6.6
							20.0Ω/km										200	2.9	9.5
																	400	4.2	13.8
																	700	5.8	19.0
																	900	6.8	22.3
																	1000	7.1	23.3

*Non-contaminating PVC jacket. Suitable for Indoor and Outdoor applications.

14 AWG Solid .064" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (60% Coverage)**Gas-injected Foam HDPE Insulation • Black PVC Jacket**

80°C	9292	—	1000	304.8	75.0	36.8	14 AWG (solid)	.280	7.11	Duofoil + 60% TC Braid	.405	10.29	75	84%	16.1	52.8	1	.2	.6
							.064"			3.0Ω/M'							10	.5	1.6
							BC			9.8Ω/km							50	.9	3.0
							2.6Ω/M'										100	1.3	4.3
							8.5Ω/km										200	1.6	5.3
																	400	2.3	7.6
																	700	3.3	10.8
																	900	4.0	13.1
																	1000	4.3	14.1

Suitable for Indoor and Outdoor applications.

14 AWG Solid .064" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (63% Coverage)**Plenum • Foam FEP Insulation • Black FEP Jacket**

200°C	89292	NEC: CMP	500†	152.4	40.5	18.4	14 AWG (solid)	.274	6.96	Duofoil + 63% TC Braid	.346	8.79	75	83%	16.2	53.1	1	.2	.5
		CATVP	1000†	304.8	81.0	36.7	.064"			3.0Ω/M'							10	.4	1.3
		CEC: CMP FT6					BC			9.8Ω/km							50	1.0	3.3
							2.5Ω/M'										100	1.5	4.9
							8.2Ω/km										200	2.2	7.2
																	400	3.3	10.8
																	700	4.5	14.8
																	900	5.2	17.1
																	1000	5.5	18.0

14 AWG Solid .064" Bare Copper Conductor • Bare Copper Braid Shield (97% Coverage)**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket**

80°C	8213	—	500	152.4	44.0	20.0	14 AWG (solid)	.285	7.24	BC Braid 97% Shield	.405	10.29	75	84%	16.1	52.8	1	.2	.6
			1000	304.8	87.0	39.5	.064"			Coverage							10	.4	1.1
			2000	609.6	172.0	78.2	BC			1.1Ω/M'							50	.9	3.0
							2.6Ω/M'			3.6Ω/km							100	1.3	4.3
							8.5Ω/km										200	1.9	6.2
																	400	2.9	9.5
																	700	4.1	13.5
																	900	4.8	15.7
																	1000	5.2	17.1

Suitable for Indoor and Outdoor applications.

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**. Request quotations of RG/U cables not listed.

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

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	1505A	NEC:	500*	152.4	15.5	7.0	20 AWG	.145	3.68	Duofoil	.233	5.92	75	83%	16.3	53.5	1	.3	1.0
Digital Video		CMR	1000*	304.8	35.0	15.9	(solid)			+ 95%							3.6	.6	1.8
75°C		CEC:	5000*	1524.0	165.0	74.8	.032"			TC Braid							10	.9	2.9
		CMG FT4					BC			3.8Ω/M'							71.5	2.1	6.9
							10.0Ω/M'			12.5Ω/km							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

*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	1506A	NEC:	500*	152.4	14.5	6.6	20 AWG	.133	3.38	Duofoil	.196	4.98	75	84%	16.1	52.8	1	.3	1.0
Digital Video		CMR	1000	304.8	29.0	13.2	(solid)			+ 95%							3.6	.6	2.0
75°C		CEC:					.032"			TC Braid							10	1.1	3.4
		CMF FT6					BC			3.2Ω/M'							71.5	2.3	7.4
							10.0Ω/M'			10.5Ω/km							135	3.2	10.5
							32.8Ω/km										270	4.6	14.9
																	360	5.3	17.2
																	540	6.4	21.0
																	720	7.3	23.9
																	750	7.5	24.6
																	1000	9.4	30.8
																	1500	12.8	42.0
																	2250	17.5	57.4
																	3000	21.9	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	8281F	—	500*	152.4	34.5	15.7	22 AWG	.198	4.90	TC Double	.305	7.75	75	66%	21.0	68.9	1	.3	.9
60°C			1000	304.8	67.0	30.4	(7x29)			Braid							3.6	.5	1.7
							.031"			98% Shield							10.0	.9	2.9
							BCC			Coverage							71.5	2.5	8.0
							12.2Ω/M'			1.7Ω/M'							135	3.6	11.6
							40.0Ω/km			5.6Ω/km							270	5.1	16.7
																	360	6.0	19.7
																	540	7.4	24.3
																	720	8.7	28.5
																	750	8.9	29.2
																	1000	10.5	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	1505F	NEC:	1000	304.8	45.0	20.4	22 AWG	.145	3.68	TC Double	.242	6.15	75	80%	17.0	55.7	1	.2	.7
SDI/HDTV		CM					(7x29)			Braid							3.6	.5	1.6
Video Patch		CEC:					.031"			95% Shield							10	.9	2.9
75°C		CM					BCC			Coverage							71.5	2.5	8.2
							12.2Ω/M'			2.4Ω/M'							135	3.5	11.5
							40.0Ω/km			7.8Ω/km							270	5.1	16.7
																	360	6.0	19.7
																	540	7.4	24.3
																	720	8.7	28.5
																	750	8.9	29.2
																	1000	10.5	34.4
																	1500	13.3	43.6
																	2250	16.9	55.4
																	3000	20.3	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.

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

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

Precision Video Cable for Analog and Digital

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 .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)

Polyethylene Insulation • Gray PVC Jacket †

60°C	9231	NEC:	500	152.4	39.0	17.7	20 AWG	.198	5.03	TC Double	.305	7.75	75	66%	21.0	68.9	1	.3	1.0
VW-1		CMH:	1000	304.8	76.0	34.5	(solid)			Braid							3.6	.5	1.6
		CEC:					.031"			98% Shield							10.0	.8	2.6
		CMH FT1					BC			Coverage							71.5	2.0	6.6
							9.9Ω/M'			1.1Ω/M'							135	3.5	11.5
							32.5Ω/km			3.6Ω/km							270	4.3	14.1
													100% Sweep tested. 5 MHz to 850 MHz.				360	5.0	16.4
																	540	6.2	20.3
																	720	7.2	23.6
																	750	7.4	24.3
																	1000	9.1	29.8

†Non-contaminating PVC jacket

[†]Non-contaminating PVC jacket

Polyethylene Insulation • Clear Polyethylene Jacket

Indoor Use 80°C	9141	—	1000	304.8	73.0	33.2	20 AWG (solid)	.200	5.06	TC Double Braid	.305	7.75	75	66%	20.0	65.6	1	.3	1.0
							.031"			98% Shield							3.6	.5	1.6
							BC			Coverage							10.0	.8	2.6
							9.9Ω/M'			1.1Ω/M'							71.5	2.0	6.6
							32.5Ω/km			3.6Ω/km							135	3.5	11.5
																	270	4.3	14.1
																	360	5.0	16.4
																	540	6.2	20.3
																720	7.2	23.6	
																750	7.4	24.3	
																1000	9.1	29.8	

20 AWG Solid .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)

Polyethylene Insulation • Polyethylene Jacket (Available in Red, Yellow, Green, Blue, White, Orange or Black)

80°C	8281	—	500 ▲	152.4	37.5	17.0	20 AWG	.198	5.03	TC Double	.305	7.75	75	66%	21.0	68.9	1	.3	.8
			1000	304.8	74.0	33.6	(solid)			Braid							3.6	.5	1.8
							.031"			98% Shield							10.0	.8	2.6
							BC			Coverage							71.5	2.1	6.9
							9.9Ω/M'			1.1Ω/M'							135	3.0	9.8
							32.5Ω/km			3.6Ω/km							270	4.3	14.1
																		360	5.1
																	540	6.3	20.7
																	720	7.4	24.3
																	750	7.6	24.9
																	1000	9.2	30.2

▲500 ft. put-up not available in White.

For Plenum version of 8281, see 88281.

100% Sweep tested. 5 MHz to 850 MHz.

▲500 ft. put-up not available in White.

Flame-retardant Semi-Foam Polyethylene Insulation • PVC Jacket (Available in 9 colors)*

UL AWM	8281B	NEC:	1000	304.8	84.0	38.1	20 AWG	.198	5.03	TC Double	.305	7.75	75	66%	21.0	68.9	1	.3	.8
Style 1354		CMR					(solid)			Braid							3.6	.5	1.8
(30V 80°C)		CEC:					.031"			98% Shield							10.0	.8	2.6
		CMG FT4					BC			Coverage							71.5	2.1	6.9
							9.9Ω/M'			1.1Ω/M'							135	3.0	9.8
							32.5Ω/km			3.6Ω/km							270	4.4	14.4
																	360	5.1	16.6
																	540	6.6	21.5
																	720	7.8	25.4
																	750	8.0	26.2
																	1000	10.2	33.5

*8281B available in Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black.

*8281B available in Red, Orange, Yellow, Green, Blue, Purple, Gray, White or Black.

20 AWG Solid .031" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)

Plenum • FEP Insulation • Black Fluorocopolymer Jacket

150°C	.88281	NEC:	500	152.4	44.5	20.2	20 AWG	.185	4.70	TC Double	.271	6.88	75	70%	19.0	62.4	1	.2	.7
	CMP	1000	304.8	86.0	39.1	(solid)	Braid										3.6	.5	1.6
	CEC:					.031"	98% Shield										10.0	.8	2.6
	CMP FT6					BC	Coverage										71.5	2.3	7.5
						9.9Ω/M'	1.1Ω/M'										135	3.3	10.8
						32.5Ω/km	3.6Ω/km										270	5.1	16.7
																	360	6.1	20.0
																	540	8.0	26.2
																	720	9.7	31.8
																	750	10.0	32.8
Suitable for Outdoor and Direct Burial applications.																	1000	12.3	40.3

Suitable for Outdoor and Direct Burial applications.

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

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

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	.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					BC			2.8Ω/M'							71.5	1.6	5.2
							6.4Ω/M'			9.2Ω/km							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

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

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

SDI/HDTV	1694SB	NEC:	1000	304.8	46.0	20.9	18 AWG	.180	4.57	Duofoil	.274	6.96	75	82%	16.2	53.1	1	.2	.8
Digital Video	new	CMG-LS					(solid)			+ 95%							3.6	.5	1.5
75°C		CEC:					.040"			TC Braid							10	.7	2.4
		CMG-LS FT4					BC			2.8Ω/M'							71.5	1.6	5.2
		Limited Smoke					6.4Ω/M'			9.2Ω/km							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

**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	.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					BC			2.8Ω/M'							71.5	1.8	5.8
							6.4Ω/M'			9.2Ω/km							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	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	.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					BC			1.5Ω/M'							71.5	1.1	3.6
							2.5Ω/M'			4.9Ω/km							135	1.5	4.8
							8.2Ω/km										270	2.1	6.9
																	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	.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
		CMG FT6					BC			1.6Ω/M'							71.5	1.2	4.1
							2.5Ω/M'			5.3Ω/km							135	1.8	5.8
							8.2Ω/km										270	2.6	8.5
																	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.

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

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VideoFLEX® Snake Cable for Precision Digital and Analog

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



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

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

Plenum • Foam FEP Insulation • Plenum-Grade PVC Jackets (Color Code: See chart below) • **Center Spine • No Overall Jacket**

	300V RMS	1283S3 new	NEC: CMP CEC: CMP	3	250 500 1000	76.2 152.4 304.8	26.3 54.0 103.0	11.9 24.5 46.7	20 AWG (solid) .032" BC 10.0Ω/M' 32.8Ω/km	.133	3.38	Duofoil (95%) + TC Braid 3.8Ω/M' 12.5Ω/km	.422	10.72	75	83%	16.2	53.1	1	.3	1.0
																			3.6	.6	2.0
																			10	.9	2.9
																			71.5	2.1	6.9
		1283S5 new	NEC: CMP CEC: CMP	5	250 500 1000	76.2 152.4 304.8	43.5 88.0 174.0	19.7 39.9 78.9	same as above	.133	3.38	same as above	.529	13.44					135	2.7	8.9
																			270	3.8	12.5
																			360	4.4	14.4
																			540	5.5	18.0
		1283S6 new	NEC: CMP CEC: CMP	6	250 500 1000	76.6 152.4 304.8	59.0 108.0 209.0	26.8 49.0 94.8	same as above	.133	3.38	same as above	.588	14.94					720	6.4	21.0
																			750	6.5	21.3
																			1000	7.6	24.9
																			1500	9.4	30.8
																			2500	12.4	40.7
																			3000	13.8	45.3

Sweep tested.
5 MHz to 3 GHz.

Suitable for Indoor and Outdoor applications.

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

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

	SDI/HDTV Digital Video 75°C/60°C (UL) (1694A Bundled)	7710A	NEC: CMR CEC: CMG FT4	3	500 1000	152.4 304.8	137.5 285.0	62.4 129.3	18 AWG (solid) .040" BC 6.4Ω/M' 21.0Ω/km	.180	4.57	Duofoil + 95% TC Braid 3.0Ω/M' 9.9Ω/km	.770	19.56	75	82%	16.2	53.1	1	.24	.8
																			3.58	.45	1.5
																			5	.54	1.8
																			7	.63	2.1
		7711A	NEC: CMR CEC: CMG FT4	4	500 1000	152.4 304.8	179.5 350.0	81.4 158.8	same as above	.180	4.57	same as above	.900	22.86					10	.72	2.4
																			67.5	1.57	5.2
																			71.5	1.60	5.3
																			88.5	1.75	5.7
		7712A	NEC: CMR CEC: CMG FT4	5	500 1000	152.4 304.8	216.5 454.0	98.2 205.9	same as above	.180	4.57	same as above	.970	24.64					100	1.84	6.0
																			135	2.10	6.9
																			143	2.16	7.1
																			180	2.42	7.9
		7713A	NEC: CMR CEC: CMG FT4	10	500 1000	152.4 304.8	463.0 904.0	210.0 410.0	same as above	.180	4.57	same as above	1.386	35.20					270	2.97	9.8
																			360	3.43	11.3
																			540	4.25	13.9
																			720	4.95	16.2
																			750	5.00	16.4
																			1000	5.89	19.3
																			1500	7.33	24.1
																			2000	8.57	28.1
																			2250	9.14	30.0
																			3000	10.67	35.0

Sweep tested
5 MHz to 3 GHz.

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**. Request quotations of cables not listed. See Connector Reference Guide at www.belden.com for connector recommendations.

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

Video Triax Cable

RG-59/U Type



Triaxial cable is used to interconnect video cameras to related equipment. Triax cables contain 2 isolated shields and a solid or stranded center conductor. Isolated shields allow the triax to provide multiple functions over 1 cable through multiplexing techniques. Examples include: DC power to camera, intercom to operator, teleprompter feeds, monitoring feeds and even automatic or robotic functions.

Triax is usually either RG-59/U or RG-11/U. The second shield makes the OD of either type larger, so size and flexibility can be an issue. RG-11 styles have lower losses for long runs while RG-59 styles are smaller and generally more flexible. Part numbers 9267 and 9232 are designed with Hypalon® jackets for applications requiring even greater flexibility and ruggedness.

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.

22 AWG Stranded (19x34) .031" Bare Copper Conductor • Double Bare Copper Braid Shields (95% Coverage)

Foam Polyethylene Insulation • Belflex® Jacket (Red, Yellow, Green, Blue, Purple or Black.) Polyethylene Insulation between Braids

High-Flex 75°C	1857A	—	500	152.4	42.5	19.3	22 AWG (19x34)	.143	3.63	(2) BC Braids 95% Coverage	.360	9.14	75	79%	17.0	55.8	1	.3	1.0
			1000	304.8	86.0	39.1											3.6	.5	1.6
							.031"										10	.8	2.6
							BC										71.5	2.2	7.2
							14.0Ω/M'										135	3.1	10.2
							45.9Ω/km										270	4.5	14.8
																	360	5.4	17.7
																	540	6.8	22.3
																	720	8.1	26.6
																	750	8.4	27.6
																	1000	10.1	33.1
																	1500	13.3	43.6
																	2250	17.6	57.7
																	3000	21.4	70.2

Suitable for Outdoor applications: Black for permanent installations, all colors for field deployable use.

Suitable for Outdoor applications: Black for permanent installations, all colors for field deployable use.

20 AWG Solid .032" Bare Copper Conductor • Double Bare Copper Braid Shields (80% Coverage)

Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket (Polyethylene Insulation between Braids)

80°C	8232	—	500	152.4	31.0	14.1	20 AWG	.145	3.68	(2) BC Braids	.315	8.00	75	83%	16.2	53.1	1	.3	1.0
			1000	304.8	60.0	27.3	(solid)			95%							3.6	.6	2.0
			2000	609.6	118.0	53.6	.032"			Coverage							10	.9	3.0
							BC			Inner:							71.5	2.1	6.9
							10.0Ω/M'			2.5Ω/M'							135	3.0	9.8
							32.8Ω/km			8.2Ω/km							270	4.2	13.8
										Outer:							360	4.8	15.7
										2.8Ω/M'							540	5.9	19.4
										9.2Ω/km							720	7.0	23.0
																	750	7.1	23.3
																	1000	8.3	27.2
																	1500	10.5	34.4
																	2250	13.4	44.0
																	3000	15.9	52.2

Suitable for Outdoor and Direct Burial applications.

Suitable for Aerial applications when supported by a messenger wire.

Suitable for Outdoor and Direct Burial applications.

Suitable for Aerial applications when supported by a messenger wire.

Gas-injected Foam HDPE Insulation • Black PVC Jacket (PVC Insulation between Braids)

75°C	8232A 60°C (UL) 	NEC:	1000	304.8	68.0	30.8	20 AWG	.145	3.68	(2) BC Braids	.315	8.00	75	83%	16.2	53.1	1	.3	1.0	
		CMR					(solid)			95%							3.6	.6	2.0	
		CEC:					.032"			Coverage							10	.9	3.0	
		CMG FT4					BC			Inner:							71.5	2.1	6.9	
							10.0Ω/M'			2.5Ω/M'	For Plenum version of 8232A, see 88232. 100% Sweep tested. 5 MHz to 3 GHz.						135	3.0	9.8	
							32.8Ω/km			8.2Ω/km								270	4.2	13.8
										Outer:								360	4.8	15.7
										2.8Ω/M'								540	5.9	19.4
										9.2Ω/km								720	7.0	23.0
																	750	7.1	23.3	
																1000	8.3	27.2		
																1500	10.5	34.4		
																2250	13.4	44.0		
																3000	15.9	52.2		

Plenum • Foam FEP Insulation • Black FEP Jacket (FEP Insulation between Braids)

[illegible]

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

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

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

Hypalon is a DuPont trademark.

Video Triax Cable

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

15 AWG Stranded (19x27) .064" Bare Copper Conductor • Double Bare Copper Braid Shield (95% Coverage)**Gas-injected Foam HDPE Insulation • Belflex® Jacket** (Red, Yellow, Green, Blue, Purple or Black) Polyethylene Insulation between Braids

High-Flex 75°C	1858A	—	500	152.4	80.5	36.5	15 AWG (19x27)	.312	7.92	(2) BC Braids 95% Coverage	.520	13.20	75	78%	17.3	56.8	1	.1	.5
			1000	304.8	157.0	71.2	.064"										3.6	.3	1.0
							BC			Inner:							10	.5	1.6
							3.1Ω/M'			1.8Ω/M'							71.5	1.2	3.9
							8.9Ω/km			5.2Ω/km							135	1.8	5.9
										Outer:							270	2.6	8.5
										1.4Ω/M'							360	3.1	10.2
										4.6Ω/km							540	3.9	12.8
																	720	4.7	15.4
																	750	4.8	15.7

Suitable for Outdoor applications: Black for permanent installations, all colors for field deployable use.

Plenum • Foam FEP Teflon® Insulation • Black Fluorocopolymer Jacket (Fluorocopolymer Insulation between Braids)

125°C	1859A	NEC: CMP CEC: CMP FT6	500	152.4	66.5	30.2	15 AWG (19x27)	.285	7.24	(2) BC Braids 95% Coverage	.406	10.30	75	80%	16.5	54.1	1	.1	.5
			1000	304.8	134.0	60.9	.064"										3.6	.2	.7
							BC			Inner:							10	.5	1.6
							3.1Ω/M'			1.4Ω/M'							71.5	1.3	4.3
							8.9Ω/km			4.6Ω/km							135	1.9	6.2
										Outer:							270	3.0	9.8
										1.4Ω/M'							360	3.6	11.8
										4.6Ω/km							540	4.5	14.8
																	720	5.4	17.7
																	750	5.6	18.4

Suitable for Outdoor and Direct Burial applications.

Suitable for Aerial applications when supported by a messenger wire.

15 AWG Stranded (19x27) .064" Bare Copper Conductor • Double Bare Copper Braid Shield (90% Coverage)**Gas-injected Foam HDPE Insulation • Yellow PVC Jacket** (Polyethylene Insulation between Braids)

UL AWM Style 1641 (30V 75°C) VW-1	9192	NEC: CL2X	1000	304.8	150.0	68.2	15 AWG (19x27)	.312	7.92	(2) BC Braids 90% Coverage	.520	13.20	75	78%	17.3	56.8	1	.1	.5
							.064"										3.6	.3	1.0
							BC			Inner:							10	.5	1.6
							3.1Ω/M'			1.6Ω/M'							71.5	1.2	3.9
							8.9Ω/km			5.2Ω/km							135	1.8	5.9
										Outer:							270	2.6	8.5
										1.6Ω/M'							360	3.1	10.2
										5.2Ω/km							540	3.9	12.8
																	720	4.7	15.4
																	750	4.8	15.7

Suitable for Outdoor applications: Black for permanent installations, all colors for field deployable use.

Gas-injected Foam HDPE Insulation • Paper Tape Separator • Black Hypalon® Jacket (Polyethylene Insulation between Braids)

UL AWM Style 1641 (30V 75°C) VW-1	9232	—	500	152.4	76.5	34.7	15 AWG (19x27)	.312	7.92	(2) BC Braids 90% Coverage	.520	13.20	75	78%	17.3	56.8	1	.1	.5
			1000	304.8	145.0	65.9	.064"										3.6	.3	1.0
							BC			Inner:							10	.5	1.6
							3.1Ω/M'			1.6Ω/M'							71.5	1.2	3.9
							8.9Ω/km			5.2Ω/km							135	1.8	5.9
										Outer:							270	2.6	8.5
										1.6Ω/M'							360	3.1	10.2
										5.2Ω/km							540	3.9	12.8
																	720	4.7	15.4
																	750	4.8	15.7

Suitable for Outdoor and Direct Burial applications.

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

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

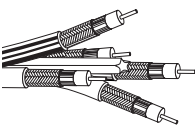
Hypalon is a DuPont trademark.

Teflon is a DuPont trademark.

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

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

RGB Component Video CableBanana Peel® Unjacketed VideoFLEX® Bundles; RG-59/U Type
Plenum 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
RG-59/U • 20 AWG Solid .032" Bare Copper Conductors • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)																				
Plenum • Foam FEP Insulation • Plenum-Grade PVC Jackets (Color Code: See chart below) • Center Spine • No Overall Jacket																				
	1283S3 new	NEC:	3	250	76.2	26.3	11.9	20 AWG	.133	3.38	Duofoil	.422	10.72	75	83%	16.2	53.1	1	.3	1.0
		CMP		500	152.4	54.0	24.5	(solid)			(95%)							3.6	.6	2.0
		CEC:		1000	304.8	103.0	46.7	.032"			+ TC Braid							10	.9	2.9
		CMP						BC			3.8Ω/M'							71.5	2.1	6.9
	1283S5 new							10.0Ω/M'			12.5Ω/km							135	2.7	8.9
								32.8Ω/km										270	3.8	12.5
																		360	4.4	14.4
																		540	5.5	18.0
	1283S6 new																	720	6.4	21.0
																		750	6.5	21.3
																		1000	7.6	24.9
																		1500	9.4	30.8
																		2500	12.4	40.7
																		3000	13.8	45.3
100% Sweep tested. 5 MHz to 3 GHz. U.S. Patent 7,049,523																				

100% Sweep tested. 5 MHz to 3 GHz.

U.S. Patent 7,049,523

Suitable for Indoor and Outdoor applications.

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • 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.**Color Code Chart:**

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

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

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

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.

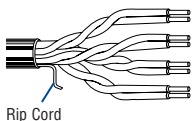
Cables in this section are NanoSkew, a UTP cable with no Ethernet data rating (all pairs have the same twist rate), and Brilliance VideoTwist Cat 5e and Cat 6 rated cables with lower, carefully monitored skew relative to standard data cables. Cables designed only for data applications meet their own 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

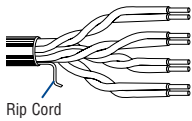
300V RMS	7987R new	NEC: CMR CEC: CMG	4	U-1000 U-1640	U-304.8 U-500.0	20.0 32.8	9.1 14.9	.195	4.95	9.0	100	15.0	1	2.0
													4	4.1
													8	5.8
													10	6.5
													16	8.2
													20	9.3
													25	10.4
													31.25	11.7
													62.5	17.0
													100	22.0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



Rip Cord

Plenum • FEP Insulation • Maroon Flamarrest® PVC Jacket

300V RMS	7987P new	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)	
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Rip Cord

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

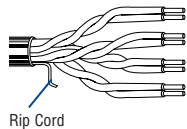
NanoSkew® Non-Data and Brilliance VideoTwist® Low-Skew Data Rated Types



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**

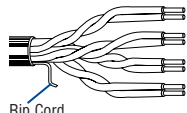
300V RMS	7988R new	NEC: CMR CEC: CMG FT4	4	U-1000 U-1640	U-304.8 U-500.0	22.0 36.1	10.0 16.4	.008 .20	.204	5.18	9.0	3.0	66.0	1	2.0	65.3	60.3	60.8	100±15	20.0
														4	4.1	53.3	49.2	48.7	100±15	23.0
														8	5.8	48.8	43.0	42.7	100±15	24.5
														10	6.5	47.3	40.8	40.8	100±15	25.0
														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



Rip Cord

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

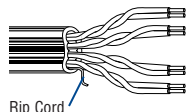
300V RMS	7988P new	NEC: CMP CEC: CMP FT6	4	U-1000 U-1640	U-304.8 U-500.0	23.0 37.7	10.4 17.1	.008 .20	.193	4.90	9.0	3.0	66.0	(same as 7988R above)						
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Rip Cord

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**

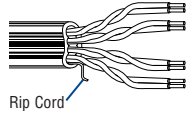
300V RMS	7989R new	NEC: CMR CEC: CMG FT4	4	1000 1640	304.8 500.0	32.0 52.5	14.5 23.8	.009 .23	.365 x .165	9.27 x 4.19	9.0	3.0	49.2	1	2.0	72.3	70.3	64.8	100±15	20.0
														4	3.8	63.3	59.5	52.7	100±15	23.0
														8	5.3	58.8	53.4	46.7	100±15	24.5
														10	6.0	57.3	51.3	44.8	100±15	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



Rip Cord

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

300V RMS	7989P new	NEC: CMP CEC: CMP FT6	4	1000 1640	304.8 500.0	41.0 62.3	18.6 28.3	.009 .23	.365 x .165	9.27 x 4.19	9.0	3.0	49.2	(same as 7989R above)						
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Rip Cord

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

BELDENFor more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

S-Video Cable

High-Flex S-Video Cables

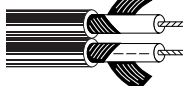


The S-video format, also known as Y/C or Super VHS (SVHS) video, requires two coaxial cables to allow for separate transmission of the two parts of a VHS video signal; the luminance (Y) and chrominance (C). The chrominance signal contains the color information and the luminance the black and white or 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	.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	(7x38)			90% Shield	x	x					5	1.4	4.6
			U-1000	U-304.8	15.0	6.8	.012"			Coverage	.230	5.84					10	2.1	6.9
			1000	304.8	14.0	6.4	TC			7.5Ω/M'							30	3.8	12.5
							100.0Ω/M'			24.6Ω/km							50	5.1	16.7
							328.0Ω/km										100	7.6	24.9
																	For Plenum version of 1807A, see 7700A.		
																	200	11.3	37.1
																	400	16.9	55.4
																	700	23.3	76.4
																	900	26.9	88.2

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	.058	1.47	TC Serve	.255	.84	75	78%	17.3	56.7	1	.6	2.0
			500	152.4	16.5	7.5	(7x38)			Coax OD: 90% Shield							5	1.4	4.6
			U-1000	U-304.8	31.0	14.1	.013"			Coverage							10	2.1	6.9
			1000	304.8	33.0	15.0	TC			7.5Ω/M'							30	3.8	12.5
							100.0Ω/M'			24.6Ω/km							50	5.1	16.7
							328.0Ω/km										100	7.6	24.9
																	Available in Plenum versions by special order only.		
																	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  French Braid	7700A	NEC:	500	152.4	8.5	3.9	30 AWG	.053	1.35	TC	.107	2.72	75	78%	17.3	56.7	1	.7	2.3
		CMP	1000	304.8	17.0	7.7	(7x38)			"French Braid"	x	x					5	1.7	5.6
		CEC:					.012"			98% Shield	.214	5.44					10	2.3	7.5
		CMP FT6					TC			Coverage							30	4.1	13.4
							100.0Ω/M'			7.5Ω/M'							50	5.3	17.4
							328.0Ω/km			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.

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

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