

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.)

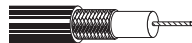
Video coax cables have a characteristic impedance of 75 ohms. This value was not chosen arbitrarily. Physics shows that optimum attenuation characteristics occur at 77 ohms. Materials and design lead to the selection of 75 ohms as the optimum compromise for low power applications.

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 11.7Ω/M'	.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											5	1.6	5.2
																	10	2.2	7.2
																	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 5.7Ω/M'	.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											100	5.7	18.7
																	200	8.3	27.2
																	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																			
1281R new	NEC: CMR	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
	CEC: CMG																5	1.2	3.8
																	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

1282P new	NEC: CMP	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
	CEC: CMP FT6																5	.9	3.0
																	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 High-Frequency Cables

Conformable® Coax Cable



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

29 AWG Solid .011" Silver-coated Copper-covered Steel Conductor • Copper-Tin Composite Shield (100% Coverage)**TFE Teflon® Insulation • Unjacketed**

UL AWM	1672A*	—	500 ^{††}	152.4	7.5	3.4	29 AWG	.062	1.57	CT	.087	2.21	75	69.5%	19.5	64.0	1	1.6	5.3
Style 10245			1000 ^{††}	304.8	14.0	6.4	(solid)			Composite							10	1.8	5.9
(30V 105°C)							.011"			100% Shield							50	4.1	13.5
(1500V RMS 200°C non-UL)							SCCCS			Coverage							100	6.5	21.3
							205.0Ω/M'			10.0Ω/M'							200	9.0	29.5
							672.4Ω/km			33.5Ω/km							400	12.8	42.0
																	700	18.0	59.1
																	1000	22.1	72.5

**TFE Teflon Insulation • PVC Jacket (Black or Clear)**

UL AWM	1672J*	—	100 ^{††}	30.5	3.1	1.4	29 AWG	.062	1.57	CT	.127	3.23	75	69.5%	19.5	64.0	1	1.6	5.3
Style 10245			500 [†]	152.4	9.5	4.3	(solid)			Composite							10	1.8	5.9
(30V 105°C)			1000 ^{††}	304.8	17.0	7.7	.011"			100% Shield							50	4.1	13.5
(1500V RMS 200°C non-UL)							SCCCS			Coverage							100	6.5	21.3
							205.0Ω/M'			10.0Ω/M'							200	9.0	29.5
							672.4Ω/km			33.5Ω/km							400	12.8	42.0
																	700	18.0	59.1
																	1000	22.1	72.5



*100 ft. put-up available in Clear only.

29 AWG Solid .011" Silver-plated Copper Conductor • Copper-Tin Composite Shield (100% Coverage)**TFE Teflon Insulation • Unjacketed**

UL AWM	1672B*	—	100 [†]	30.5	2.5	1.1	29 AWG	.062	1.57	CT	.087	2.21	75	69.5%	19.5	64.0	1	1.2	3.9
Style 10245			500 [†]	152.4	7.5	3.4	(solid)			Composite							10	1.8	5.9
(30V 105°C)			1000 [†]	304.8	14.0	6.4	.011"			100% Shield							50	4.1	13.5
(1500V RMS 200°C non-UL)							SPC			Coverage							100	6.5	21.3
							11.0Ω/M'			10.0Ω/M'							200	9.0	29.5
							36.9Ω/km			33.5Ω/km							400	12.8	42.0
																	700	18.0	59.1
																	1000	22.1	72.5

**Non-ferrous design**

CT = Copper Tin • DCR = DC Resistance • SCCC = Silver-coated Copper-covered Steel • SPC = Silver-plated Copper

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

*Protected by one or more of U.S. Patent Nos. 4,694,122 and 5,292,001. Patent held in the U.S., Singapore, Australia, Germany, France and England. Patent pending in Japan.

[†]May contain more than one piece. Minimum length of any one piece is 25 ft.^{††}500 ft. put-up: Exact 5 pieces (maximum), 50 feet minimum length

1000 ft. put-up: Exact 8 pieces (maximum), 50 feet minimum length

Teflon is a DuPont trademark.

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

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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.

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

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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 Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)

Polyethylene Insulation • Black PVC Jacket

UL AWM	8263	NEC:	U-500	U-152.4	19.5	8.9	23 AWG	.146	3.71	BC Braid	.242	6.15	75	66%	20.5	67.3	1	.6	2.0
Style 1354		CMX	U-1000	U-304.8	38.0	17.2	(solid)			95% Shield							10	1.1	3.6
(30V 60°C)		CEC:	1000	304.8	39.0	17.7	.023"			Coverage							50	2.4	7.9
VW-1		CMX					BCCS			2.6Ω/M'							100	3.4	11.2
							49.0Ω/M'			8.5Ω/km							200	4.9	16.1
							160.7Ω/km										400	7.0	23.0
																	700	9.7	31.8
																	900	11.1	36.4
																	1000	12.0	39.4



150V RMS (UL), 1700V RMS (non-UL)

Non-contaminating Black PVC Jacket. Suitable for Indoor and Outdoor applications.

22 AWG Solid Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (85% Coverage)

Polyethylene Insulation • Black PVC Jacket

UL AWM	9244	NEC:	U-500	U-152.4	18.0	8.2	22 AWG	.146	3.71	BC Braid	.242	6.15	75	66%	19.4	63.6	1	.6	2.0
Style 1354		CMX	U-1000	U-304.8	35.0	15.9	(solid)			85% Shield							10	1.1	3.6
(30V 80°C)		CEC:	1000	304.8	36.0	16.4	.025"			Coverage							50	2.4	7.9
VW-1		CMX	3280	1000.0	118.1	53.8	BCCS			4.5Ω/M'							100	3.4	11.2
							50.0Ω/M'			14.8Ω/km							200	4.9	16.1
							164.0Ω/km										400	7.0	23.0
																	700	9.7	31.8
																	900	11.1	36.4
																	1000	12.0	39.4



150V RMS (UL), 1700V RMS (non-UL)

Suitable for Indoor and Outdoor applications.

Foam Polyethylene Insulation • Black PVC Jacket

75°C	8221	—	U-500	U-152.4	18.5	8.4	22 AWG	.146	3.71	BC Braid	.242	6.15	80	78%	16.3	53.5	1	.4	1.4
300V RMS (non-UL)			500	152.4	17.0	7.7	(solid)			95% Shield							10	.9	3.0
			U-1000	U-304.8	36.0	16.3	.025"			Coverage							50	2.0	6.6
			1000	304.8	37.0	16.8	BCCS			2.6Ω/M'							100	2.9	9.5
							50.0Ω/M'			8.5Ω/km							200	4.1	13.4
							164.0Ω/km										400	5.9	19.4
																	700	7.8	25.6
																	900	8.8	28.9
																	1000	9.9	32.5



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.

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

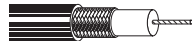
22 AWG Stranded (7x30) .030" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)**Foam Polyethylene Insulation • Black PVC Jacket**

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

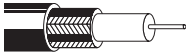
RG-59/U Type



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-covered Steel Conductor • Bare Copper Braid Shield (80% Coverage)																			
Foam Polyethylene Insulation • Black PVC Jacket																			
75°C	9240	—	1000†	304.8	31.0	14.1	20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.143	3.63	BC Braid 80% Shield Coverage 5.6Ω/M' 18.4Ω/km	.241	6.12	75	78%	17.3	56.7	1 10 50 100 200 400 700 900 1000	.6 1.0 2.1 3.0 4.5 6.6 8.9 10.1 10.9	2.0 3.3 6.9 9.8 14.8 21.6 29.2 33.1 35.8
																			
100% Sweep tested. 5 MHz to 850 MHz.																			

20 AWG Solid .032" Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)

Foam Polyethylene Insulation • Black Polyethylene Jacket																			
80°C	8212	—	U-500	U-152.4	16.5	7.5	20 AWG	.143	3.63	BC Braid	.242	6.15	75	78%	17.3	56.7	1	.6	2.0
			500	152.4	15.0	6.8	(solid)			95% Shield							10	1.0	3.3
			U-1000	U-304.8	31.0	14.1	.032"			Coverage							50	2.1	6.9
			1000	304.8	33.0	15.0	BCCS			2.6Ω/M'							100	3.0	9.8
							44.5Ω/M'			8.5Ω/km	100% Sweep tested. 5 MHz to 450 MHz.						200	4.5	14.8
							146.0Ω/km										400	6.6	21.6
																	700	8.9	29.2
																	900	10.1	33.1
																	1000	10.9	35.8

Foam Polyethylene Insulation • Black PVC Jacket																			
80°C	9274	NEC:	500	152.4	15.5	7.0	20 AWG	.143	3.63	BC Braid	.240	6.10	75	82%	16.3	53.5	1	.6	2.0
		CM	1000	304.8	35.0	15.9	(solid)			95% Shield							10	1.0	3.3
		CEC:					.032"			Coverage							50	2.1	6.9
							BCCS			3.5Ω/M'							100	3.0	9.8
							44.5Ω/M'			11.5Ω/km	100% Sweep tested. 5 MHz to 450 MHz.						200	4.5	14.8
							146.0Ω/km										400	6.6	21.6
																		700	8.9
																	900	10.1	33.1
																	1000	10.9	35.8

20 AWG Solid .032" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)

Gas-injected Foam HDPE Insulation • Black PVC Jacket																					
UL AWM Style 1354 (30V 75°C) 60°C (UL) 	1426A	NEC:	U-1000	U-304.8	35.0	15.9	20 AWG	.145	3.68	BC Braid	.242	6.15	75	83%	16.3	53.5	1	.3	1.0		
		CM					(solid)			95% Shield								10	.9	3.0	
							.032"			Coverage									50	1.9	6.2
							BC			2.6Ω/M'									100	2.6	8.5
							10.0Ω/M'			8.5Ω/km									200	3.6	11.8
							32.8Ω/km												400	5.0	16.4
																			700	7.0	23.0
																			900	8.0	26.3
																			1000	8.5	27.9

Series 59 • 20 AWG Solid .032" Bare Copper-covered Steel Conductor • Duofoil® or Duobond® + Aluminum Braid Shield (40% Coverage)

Gas-injected Foam Polyethylene Insulation • Black PVC Jacket																				
80°C	9275	NEC: CATV CM	U-500 U-1000*	U-152.4 U-304.8	12.0 23.0	5.5 10.4	20 AWG (solid) .032"	.144	3.66	Duofoil + 40% Aluminum Braid	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.88			
		CEC: CM	1000	304.8	24.0	10.9	BCCS 44.5Ω/M' 146.0Ω/km			17.0Ω/M' 55.8Ω/km				100% Sweep tested. 5 MHz to 550 MHz.						
*U-1000 ft. put-up also available in White.																				
80°C	9100	NEC: CATV CM	U-500 U-1000*	U-152.4 U-304.8	12.0 23.0	5.5 10.4	20 AWG (solid) .032"	.144	3.66	Duobond II + 40% Aluminum Braid	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.88			
		CEC: CM	1000	304.8	24.0	10.9	BCCS 44.5Ω/M' 146.0Ω/km			17.0Ω/M' 55.8Ω/km				100% Sweep tested. 5 MHz to 1 GHz.						

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 80°C	8215	—	1000	304.8	74.0	33.6	21 AWG (solid) .028"	.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
																		10	.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

18 AWG Solid .037" Bare Copper Conductor • Bare Copper Double Braid Shields (98% Coverage)**Foam Polyethylene Insulation • Black PVC Jacket**

	80°C	9290	NEC: CM CEC: CM	1000	304.8	59.0	26.8	18 AWG (solid) .037"	.180	4.57	(2) BC Braids 98% Shield Coverage 2.0Ω/M' 6.6Ω/km	.288	7.32	75	81%	17.3	56.7	1	.2	.7
																		10	.7	2.3
																		50	1.7	5.6
																		100	2.5	8.2
																		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: CM CEC: CM	U-500	U-152.4	16.5	7.5	18 AWG (solid) .040"	.180	4.57	Duofoil + 60% TC Braid 5.6Ω/M' 18.4Ω/km	.270	6.86	75	82%	16.2	53.1	1	.3	1.0
																		10	.7	2.3
																		50	1.5	4.9
																		100	2.0	6.6
																		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: CMP CEC: CMP FT6	500	152.4	15.0	6.8	18 AWG (solid) .040"	.170	4.32	Duofoil + 65% TC Braid 5.1Ω/M' 16.7Ω/km	.222	5.64	75	82%	16.5	54.1	1	.3	1.0
																		10	.7	2.3
																		50	1.5	4.9
																		100	2.1	6.9
																		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: CMP CEC: CMP FT6	U-1000	U-304.8	29.0	13.2	18 AWG (solid) .040"	.170	4.32	Duofoil + 65% TC Braid 5.1Ω/M' 16.7Ω/km	.222	5.64	75	82%	16.5	54.1	1	.3	1.0
																		10	.7	2.3
																		50	1.6	5.2
																		100	2.2	7.2
																		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.

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:	500	152.4	59.0	26.8	18 AWG	.285	7.24	BC Braid	.405	10.29	75	66%	20.5	67.2	1	.2	.6
		CM	1000	304.8	117.0	53.2	(7x26)			97% Shield							10	.7	2.2
		CEC:					.048"			Coverage							50	1.3	4.3
		CM					TC			1.2Ω/M'							100	2.0	6.6
							6.1Ω/M'			3.9Ω/km							200	2.9	9.5
							20.0Ω/km										400	4.2	13.8
																	700	5.8	19.0
Suitable for Indoor and Outdoor applications.																	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:	500	152.4	52.5	23.9	18 AWG	.285	7.24	BC Braid	.405	10.29	75	66%	20.5	67.2	1	.2	.6
VW-1		CXC	1000	304.8	104.0	47.3	(7x26)			97% Shield							10	.7	2.2
							.048"			Coverage							50	1.3	4.3
							TC			1.2Ω/M'							100	2.0	6.6
							6.1Ω/M'			3.9Ω/km							200	2.9	9.5
							20.0Ω/km										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.

*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	.405	10.29	75	84%	16.1	52.8	1	.2	.6
							.064"			Braid							10	.5	1.6
							BC			3.0Ω/M'							50	.9	3.0
							2.6Ω/M'			9.8Ω/km							100	1.3	4.3
							8.5Ω/km										200	1.6	5.3
																	400	2.3	7.6
																	700	3.3	10.8
Suitable for Indoor and Outdoor applications.																	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:	500†	152.4	40.5	18.4	14 AWG	.274	6.96	Duofoil	.346	8.79	75	83%	16.2	53.1	1	.2	.5
		CMP	1000†	304.8	81.0	36.7	(solid)			+ 63% TC							10	.4	1.3
		CATVP					.064"			Braid							50	1.0	3.3
		CEC:					BC			3.0Ω/M'							100	1.5	4.9
		CMP FT6					2.5Ω/M'			9.8Ω/km							200	2.2	7.2
							8.2Ω/km										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	.285	7.24	BC Braid	.405	10.29	75	84%	16.1	52.8	1	.2	.6
				1000	304.8	87.0	39.5	(solid)			97% Shield							10	.4	1.1
				2000	609.6	172.0	78.2	.064"			Coverage							50	.9	3.0
								BC			1.1Ω/M'							100	1.3	4.3
								2.6Ω/M'			3.6Ω/km							200	1.9	6.2
								8.5Ω/km										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.																				

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 Overview



Analog Video

Belden® precision video cables are used in critical analog and digital video circuits and high quality applications such as live broadcast in network studios and pre- or post-production facilities. They should be used where superior signal integrity is required.

Precision video cables usually have solid center conductors and dual shields. The dielectrics can either be foamed or solid. Tighter impedance and attenuation tolerances, superior Return Loss (RL) specifications, and improved shielding give precision video cables their no-compromise performance.

The frequency response loss curves of the solid dielectric cables, such as 8281, are different from those with foam dielectric, like 1505A. Therefore, different equalization equipment is necessary and commercially available. Avoid mixing 8281 and 1505A for this reason.

Digital Video

Precision video cables are also recommended for the latest digital video applications. Since its inception in the early '80s, digital broadcast is quickly becoming the preferred video format. The advantages of the digital format are many. Digital is very stable, minimizing equipment adjustments. Copies or reproductions retain the quality of the original. Signal degradation is virtually eliminated, and noise immunity is greatly improved. Digital video is transmitted over a cable in either a Parallel or Serial format.

Parallel Digital Video (D₁, D₂ & D₃)

The Parallel format transmits each bit of an 8 or 10 bit digital word simultaneously or parallel down a separate signal path at a frequency of 27 Mb/s. This type of transmission requires the use of a 100 to 120 ohm 12-1/2 pair data cable (Belden part nos. 8142 or 8112 page 19.56). These cables are limited to a transmission distance of less than 30 meters.

Serial Digital Video (SDI)

The Society of Motion Picture and Television Engineers (SMPTE) has developed two different standards for serial digital transmissions (SDI). A third format that transmits at 540 Mb/s is under development. There is also a European standards body known as ITU (formerly CCIR) that developed the specifications for Europe known as PAL. Each of these specifications differs in frequency and transmission technology, i.e., composite or component.

- **SMPTE 259M** — Covers digital video transmissions of composite NTSC 143 Mb/s (Level A) and PAL 177 Mb/s (Level B). It also covers 525/625 component transmissions of 270 Mb/s (Level C) and 360 Mb/s (Level D).
- **SMPTE 292M** — Covers the newest format for HDTV transmissions at 1.458 Gb/s.
- **SMPTE 344M** — Covers component widescreen transmissions of 540 Mb/s.
- **ITU-R BT.601** — International standard covers component PAL transmissions of 177 Mb/s.

Precision Video Cable for Analog and Digital

Sub-Miniature 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
28.5 AWG Solid .012" Bare Copper Conductor • Duobond® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)																			
Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*																			
DigiTruck®	179DT new	NEC:	500 ▲	152.4	5.0	2.3	28.5 AWG	.056	1.42	Duobond	.100	2.54	75	77%	17.4	57.4	1	1.2	3.9
SDI/HDTV		CMR	1000	304.8	8.0	3.6	(solid)			(100%)							5	1.9	6.1
Digital Video		CEC:					.012"			+ TC Braid							10	2.4	7.8
75°C		CMG FT4					BC			(95% Cov.)							67.5	5.9	19.3
							108Ω/M'			8.9Ω/M'							71.5	6.0	19.6
																			
						350Ω/km			29.2Ω/km								100	6.9	22.6
																	135	7.9	25.8
																	270	10.8	35.4
																	360	12.5	41.0
																	540	15.4	50.5
																	720	17.9	58.7
																	750	18.3	60.0
																	1000	21.3	69.9
																	1500	26.3	86.3
																	2000	30.8	101.1
																	2250	32.8	107.6
																	3000	38.3	125.7
▲500 ft. put-up available in Black only.																			

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

25 AWG Stranded (19x37) .021" 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	1865A	NEC:	1000	304.8	14.0	6.4	25 AWG	.094	2.39	Duofoil	.150	3.81	75	82%	16.5	54.1	1	.5	1.5
Digital Video		CMR					(19x37)			(100%)							3.6	1.0	3.1
75°C		CEC:					.021"			+ TC Braid							10	1.6	5.2
		CMG FT4					BC			(95% Cov.)							71.5	3.7	12.1
							27.4Ω/M'			5.4Ω/M'							135	5.0	16.4
							89.9Ω/km			17.7Ω/km							270	7.1	23.3
																	360	8.2	26.9
																	540	10.1	33.1
																	720	11.8	38.7
																	750	12.0	39.4
																	1000	13.9	45.6
																	1500	17.0	55.8
																	2250	20.8	68.2
																	3000	24.0	78.7

23 AWG Solid .023" 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	1855A	NEC:	500 ▲	152.4	9.0	4.1	23 AWG	.102	2.59	Duofoil	.159	4.03	75	82%	16.3	53.5	1	.4	1.3
Digital Video		CMR	1000	304.8	16.0	7.3	(solid)			(100%)							3.6	.8	2.6
75°C		CEC:					.023"			+ TC Braid							10	1.2	3.9
		CMG FT4					BC			(95% Cov.)							71.5	3.1	10.0
							20.1Ω/M'			7.6Ω/M'							135	3.8	12.5
							65.9Ω/km			24.9Ω/km							270	5.4	17.7
																	360	6.2	20.3
																	540	7.7	25.3
																	720	9.5	31.1
																	750	9.6	31.5
																	1000	10.5	34.4
																	1500	13.0	42.6
																	2250	16.0	52.5
																	3000	18.5	60.7

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

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.

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

Precision Video Cable for Analog and Digital

Miniature 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 Stranded (7x32) .023" Bare Compacted Copper Conductor* • Tinned Copper Braid Shield (95% Coverage)**Polyethylene Insulation • Black Polyethylene Jacket**

80°C	8279	—	500	152.4	13.0	5.9	23 AWG (7x32)	.146	3.71	TC + 95% Shield	.220	5.59	75	66%	21.0	68.9	1	.4	1.1
			1000	304.8	29.0	13.2	.023" BCC			Coverage							3.6	.6	2.0
							19.1Ω/M'			4.5Ω/M'							10.0	1.2	3.9
							62.6Ω/km			14.8Ω/km							71.5	3.3	10.8
																	135	4.7	15.4
																	270	6.8	22.3
																	360	8.0	26.2
																	540	9.9	32.5
																	720	11.6	38.0
																	750	11.9	39.0
																	1000	13.8	45.3

**23 AWG** Solid .022" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (95% Coverage)**Polyethylene Insulation • Black Polyethylene Jacket**

80°C	9209	—	U-500	U-152.4	15.0	6.8	23 AWG (solid)	.146	3.71	Duofoil + 95% TC Braid	.220	5.59	75	66%	21.0	68.9	1	.4	1.2
			U-1000	U-304.8	29.0	13.2	.022" BC			4.5Ω/M'							3.6	.5	1.8
							20.4Ω/M'			14.8Ω/km							10.0	1.2	3.8
							66.9Ω/km										71.5	2.9	9.5
																	135	4.0	13.0
																	270	5.6	18.4
																	360	6.6	21.5
																	540	8.3	27.2
																	720	9.7	31.7
																	750	9.9	32.5
																	1000	11.6	38.0

**Flame-retardant Semi-foam Polyethylene Insulation • Black PVC Jacket**

UL AWM Style 1354 (30V 75°C)	9209A	NEC: CMR CEC: CMG FT4	U-1000	U-304.8	35.0	15.9	23 AWG (solid)	.146	3.71	Duofoil + 95% TC Braid	.220	5.59	75	66%	21.0	68.9	1	.4	1.2
							.022" BC			4.5Ω/M'							3.6	.5	1.8
							20.4Ω/M'			14.8Ω/km							10.0	1.2	3.8
							66.9Ω/km										71.5	2.9	9.5
																	135	4.0	13.0
																	270	5.6	18.4
																	360	6.6	21.5
																	540	8.6	28.3
																	720	10.1	33.2
																	750	10.4	34.1
																	1000	12.8	41.9



BC = Bare Copper • BCC = Bare Compacted Copper • DCR = DC Resistance • 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

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: CMR CEC: CMG FT4	500* 1000*	152.4 304.8	15.5 35.0	7.0 15.9	20 AWG (solid) .032" BC 10.0Ω/M' 32.8Ω/km	.145	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
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For Plenum version of 1505A, see 1506A.
Also available in bundled versions. See 7794A through 7798A.
100% Sweep tested. 5 MHz to 3 GHz.

*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: CMP CEC: CMP FT6	500* 1000	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	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
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100% Sweep tested. 5 MHz to 3 GHz.

*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	TC Double Braid 98% Shield Coverage 1.7Ω/M' 5.6Ω/km	.305	7.75	75	66%	21.0	68.9	1 3.6 10.0 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
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100% Sweep tested. 5 MHz to 830 MHz.

*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 SDI/HDTV Video Patch 75°C	1505F	NEC: CM CEC: CM	1000	304.8	45.0	20.4	22 AWG (7x29) .031" BCC 12.2Ω/M' 40.0Ω/km	.145	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
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100% Sweep tested. 5 MHz to 3 GHz.

*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.

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

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 (solid) .031" BC 9.9Ω/M' 32.5Ω/km	.198	5.03	TC Double Braid 98% Shield Coverage 1.1Ω/M' 3.6Ω/km	.305	7.75	75	66%	21.0	68.9	1	.3	1.0
VW-1		CMH	1000	304.8	76.0	34.5											3.6	.5	1.6
		CEC:															10.0	.8	2.6
		CMH FT1															71.5	2.0	6.6
																	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

†Non-contaminating PVC jacket

100% Sweep tested. 5 MHz to 850 MHz.

†Non-contaminating PVC jacket

Polyethylene Insulation • Clear Polyethylene Jacket

Indoor Use 80°C	9141	—	1000	304.8	73.0	33.2	20 AWG (solid) .031" BC 9.9Ω/M' 32.5Ω/km	.200	5.06	TC Double Braid 98% Shield Coverage 1.1Ω/M' 3.6Ω/km	.305	7.75	75	66%	20.0	65.6	1	.3	1.0
			3.6	.5	1.6														
			10.0	.8	2.6														
			71.5	2.0	6.6														
			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														
100% Sweep tested. 5 MHz to 850 MHz.																			

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	16.6
																	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		For Plenum version of 8281B,					71.5	2.1	6.9
							9.9Ω/M'			1.1Ω/M'		see 88281.					135	3.0	9.8
						32.5Ω/km			3.6Ω/km		100% Sweep tested. 5 MHz to 850 MHz.					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
														100% Sweep tested. 5 MHz to 216 MHz.				360	6.1	20.0
																		540	8.0	26.2
																		720	9.7	31.8
																		750	10.0	32.8
																		1000	12.3	40.3

Suitable for Outdoor and Direct Burial applications.

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

Bundled Miniature and RG-59/U Type



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 • 23 AWG Solid .023" 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) (1855A Bundled)	7787A	NEC: CMR CEC: CMG FT4	3	500 1000	152.4 304.8	47.5 94.0	21.6 42.7	23 AWG (solid) .023" BC 20.1Ω/M' 65.9Ω/km	.102 Coax OD: .159	2.55 4.03	Duofoil + 95% TC Braid 7.6Ω/M' 24.9Ω/km	.432	10.97	75	83%	16.5	54.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2500 3000	.4 .8 1.2 3.1 3.8 5.4 6.2 7.7 9.1 9.5 10.5 13.0 16.9 18.5	1.3 2.6 3.9 10.0 12.5 17.7 20.3 25.3 29.8 31.2 34.4 42.6 55.4 60.7
	7788A	NEC: CMR CEC: CMG FT4	4	1000	304.8	110.0	49.9	same as above	.102 Coax OD: .159	2.55 4.03	same as above	.481	12.22							
	7789A	NEC: CMR CEC: CMG FT4	5	500 1000	152.4 304.8	73.0 142.0	33.1 64.4	same as above	.102 Coax OD: .159	2.55 4.03	same as above	.539	13.69							
	7790A	NEC: CMR CEC: CMG FT4	6	500 1000	152.4 304.8	88.5 176.0	40.2 79.8	same as above	.102 Coax OD: .159	2.55 4.03	same as above	.597	15.16							
	7791A	NEC: CMR CEC: CMG FT4	10	500 1000	152.4 304.8	155.5 304.0	70.5 137.9	same as above	.102 Coax OD: .159	2.55 4.03	same as above	.796	20.22							
	7792A	NEC: CMR CEC: CMG FT4	12	500 1000	152.4 304.8	178.5 367.0	81.0 166.5	same as above	.102 Coax OD: .159	2.55 4.03	same as above	.825	20.96							

Sweep tested 5 MHz to 3 GHz.

Sweep tested 5 MHz to 3 GHz.

RG-59/U Type • 20 AWG Solid .032" 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) (1505A Bundled)	7794A	NEC: CMR CEC: CMG FT4	3	500 1000	152.4 304.8	94.5 187.0	43.0 84.8	20 AWG (solid) .032" BC 10.0Ω/M' 32.8Ω/km	.145 Coax OD: .235	3.68 5.97	Duofoil + 95% TC Braid 3.8Ω/M' 12.5Ω/km	.631	16.03	75	83%	16.2	53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2500 3000	.3 .6 .9 2.1 2.7 3.8 4.4 5.5 6.4 6.5 7.6 9.4 12.4 13.8	1.0 1.8 2.9 6.9 8.9 12.5 14.4 18.0 21.0 21.3 24.9 30.8 40.7 45.3
	7795A	NEC: CMR CEC: CMG FT4	4	500 1000	152.4 304.8	116.5 237.0	53.0 107.7	same as above	.145 Coax OD: .235	3.68 5.97	same as above	.706	17.93							
	7796A	NEC: CMR CEC: CMG FT4	5	500 1000	152.4 304.8	153.0 299.0	69.4 135.6	same as above	.145 Coax OD: .235	3.68 5.97	same as above	.790	20.07							
	7798A	NEC: CMR CEC: CMG FT4	10	500 1000	152.4 304.8	319.5 625.0	145.2 284.1	same as above	.145 Coax OD: .235	3.68 5.97	same as above	1.166	29.62							

Sweep tested 5 MHz to 3 GHz.

Sweep tested 5 MHz to 3 GHz.

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

See Connector Reference Guide at www.belden.com for connector recommendations.

Color Code Chart

Cond.	Color	Cond.	Color	Cond.	Color
1	Red	5	Yellow	9	Purple
2	Green	6	Brown	10	Black
3	Blue	7	Orange	11	Pink
4	White	8	Gray	12	Tan

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 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 (95%)	.422	10.72	75	83%	16.2	53.1	1	.3	1.0
		CMP:		500	152.4	54.0	24.5	(solid)			+ TC Braid							3.6	.6	2.0
		CEC:		1000	304.8	103.0	46.7	.032"			3.8Ω/M'							10	.9	2.9
		CMP:						BC			12.5Ω/km							71.5	2.1	6.9
								10.0Ω/M'										135	2.7	8.9
	1283S5 new	NEC:	5	250	76.2	43.5	19.7	same	.133	3.38	same	.529	13.44	Sweep tested. 5 MHz to 3 GHz.						
		CMP:		500	152.4	88.0	39.9	as			as									
		CEC:		1000	304.8	174.0	78.9	above			above									
		CMP:																		
	1283S6 new	NEC:	6	250	76.6	59.0	26.8	same	.133	3.38	same	.588	14.94							
		CMP:		500	152.4	108.0	49.0	as			as									
		CEC:		1000	304.8	209.0	94.8	above			above									
		CMP:																		

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)

	7710A SDI/HDTV Digital Video 75°C/60°C (UL) (1694A Bundled)	NEC:	3	500	152.4	137.5	62.4	18 AWG	.180	4.57	Duofoil + 95%	.770	19.56	75	82%	16.2	53.1	1	.24	.8
		CMR:		1000	304.8	285.0	129.3	(solid)			Coax OD:							3.58	.45	1.5
		CEC:						.040"	.275	6.99	TC Braid							5	.54	1.8
		CMG FT4						BC			3.0Ω/M'							7	.63	2.1
								6.4Ω/M'			9.9Ω/km							10	.72	2.4
	7711A	NEC:	4	500	152.4	179.5	81.4	same	.180	4.57	same	.900	22.86	Sweep tested 5 MHz to 3 GHz.						
		CMR:		1000	304.8	350.0	158.8	as			Coax OD:									
		CEC:						above	.275	6.99	above									
		CMG FT4																		
	7712A	NEC:	5	500	152.4	216.5	98.2	same	.180	4.57	same	.970	24.64							
		CMR:		1000	304.8	454.0	205.9	as			Coax OD:									
		CEC:						above	.275	6.99	above									
		CMG FT4																		
	7713A	NEC:	10	500	152.4	463.0	210.0	same	.180	4.57	same	1.386	35.20							
		CMR:		1000	304.8	904.0	410.0	as			Coax OD:									
		CEC:						above	.275	6.99	above									
		CMG FT4																		

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



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

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Precision Video Cable for Analog and Digital Parallel Digital Video

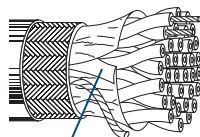


Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

28 AWG Stranded (7x36) TC Conductors • Twisted Pairs • Overall Beldfoil® + TC Braid Shield (65% Coverage) • TC Drain Wire[†]

Datalene® Insulation • Chrome PVC Jacket

UL AWM Style 2919 (30V 80°C)	8142	NEC: CL2	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.8 33.0 66.0	3.1 15.0 30.0	65.0Ω/M' 213.0Ω/km	3.1Ω/M' 10.1Ω/km	.375 9.52	120	78%	11.0	36.1	20.0	65.6
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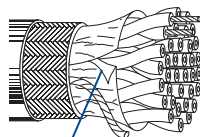


Shorting Fold

24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil + TC Braid Shield (65% Coverage) • TC Drain Wire^{††}

Datalene Insulation • Chrome PVC Jacket

UL AWM Style 2919 (30V 80°C)	8112	NEC: CM NEC: CM	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	9.2 51.0 101.0	4.2 23.1 45.8	24.0Ω/M' 78.7Ω/km	2.4Ω/M' 7.9Ω/km	.440 11.18	100	78%	12.5	41	22	72.2
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Shorting Fold

DCR = DC Resistance • TC = Tinned Copper

* Capacitance between conductors.

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

[†] Drain wire is 28 AWG stranded tinned copper

^{††} Drain wire is 24 AWG stranded tinned copper

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

Precision Video Cable for Analog and Digital

Digital Video Time Code and
Precision Video Twinax



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
110 Ohm • 26 AWG Stranded (7x34) .018" TC Conductors • Twisted Pair • Beldfoil® Shield (100% Coverage) • 26 AWG Stranded TC Drain Wire																			
Datalene® Insulation (Color Code: Black, White) • PVC Jacket (Chrome or Purple)																			
75°C	9180	NEC: CMR CEC: CMG FT4	1000	304.8	10.0	4.5	26 AWG (7x34) .018" TC 37.3Ω/M' 122.3Ω/km	.049	1.24	Beldfoil w/Stranded TC Drain Wire 23.1Ω/M' 75.8Ω/km	.144	3.66	110	76%	13.0	42.7	.38 .77 1.0 1.5 2.0 3.1 4.1 5.6 8.2 11.3 12.3 24.6	.8 1.2 1.3 1.5 1.7 1.9 2.1 2.4 2.8 3.1 3.2 4.2	2.6 4.0 4.3 5.0 5.6 6.3 7.0 8.0 9.3 10.3 10.6 14.0



Shorting Fold

Twinax • 124 Ohm • 16 AWG Solid .051" BC Conductors • Duofoil® (100% Coverage) + TC Braid Shield (90% Coverage)

Foam Polyethylene Insulation (Color Code: Clear, Blue) • Black PVC Jacket																			
UL AWM Style 2448 (30V 60°C)	9860	NEC: CMX CEC: CMX	500 1000 2000	152.4 304.8 609.6	52.0 103.0 202.0	23.6 46.8 91.8	16 AWG (solid) .051" BC 4.2Ω/M' 13.8Ω/km	.322	8.18	Duofoil + 90% TC Braid 1.3Ω/M' 4.3Ω/km	.440	11.18	124	78%	10.9	35.8	1 10 50 100 200 400	.2 .7 1.8 2.9 4.1 6.2	.6 2.3 5.9 9.5 13.5 20.3



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

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

Maximum Transmission Distance at Serial Digital Data Rates

Data Rate:	143 Mb/s		177 Mb/s		270 Mb/s		360 Mb/s		540 Mb/s		1.5 Gb/s	
Spec:	SMPTE 259M		ITU-R BT. 601		SMPTE 259M		SMPTE 259M		SMPTE 344M*		SMPTE 292M	
Application:	Composite NTSC		Composite PAL		Component Video		Component Widescreen		Component Widescreen		HDTV	
Part No.	Ft.	m	Ft.	m	Ft.	m	Ft.	m	Ft.	m	Ft.	m
1865A	810	247	760	232	600	183	520	158	420	128	170	52
8279	910	277	810	247	640	195	550	168	440	134	170	52
1855A-7787A	1000	305	910	277	750	229	650	198	530	162	210	64
9209	1030	314	930	283	750	229	650	198	540	165	200	61
9209A	1030	314	930	283	750	229	650	198	540	165	200	61
1505A-7794A	1430	436	1320	402	1110	338	960	293	790	241	300	91
1505F	1200	366	1071	326	857	261	732	223	588	179	225	69
1506A	1360	415	1200	366	940	286	810	247	670	204	270	82
9231	1430	436	1270	387	1000	305	850	259	680	207	260	79
9141	1430	436	1270	387	1000	305	850	259	680	207	260	79
8281	1430	436	1270	387	1000	305	860	262	700	213	260	79
8281B	1430	436	1270	387	1000	305	850	259	680	207	250	76
8281F	1250	381	1100	335	860	262	730	222	590	180	240	73
88281	1300	396	1150	351	910	277	770	235	600	183	200	61
1694A-7710A	1760	536	1620	494	1360	415	1180	360	970	296	370	113
1695A	1670	509	1520	463	1250	381	1080	329	880	268	310	94
7855A	2220	677	2000	610	1670	509	1460	445	1210	369	470	143
7731A	2730	832	2460	750	2000	610	1740	530	1430	436	540	165
7732A	2420	738	2140	652	1690	515	1440	439	1150	351	430	131

*Values proposed at time of printing.

The serial digital interconnect standards are designed to operate where the signal loss at 1/2 the clock frequency does not exceed the approximate loss values listed below.

The maximum length values shown are based on typical attenuation values for the cables listed and the following criteria:

Maximum length = 30 dB loss at 1/2 the clock frequency: SMPTE 259M, PAL, Widescreen.

Maximum length = 20 dB loss at 1/2 the clock frequency: SMPTE 292M.

The bit error rate (BER) can vary dramatically as the calculated distances are approached. BER is dependent on receiver design and the losses of the actual coax used.

Distribution and routing equipment manufacturers should be contacted to verify their maximum recommended transmission.

Return Loss Headroom — Refer to graph on page 19.78.

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

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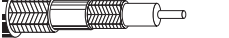
Video Triax Cable

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 • Double Bare Copper Braid Shields (95% Coverage)**Gas-injected Foam HDPE Insulation • Belflex® Jacket** (Red, Yellow, Green, Blue or Black) Polyethylene Insulation between Braids

75°C	1856A	—	1000	304.8	83.0	37.7	20 AWG (solid) .032" BC	.145	3.68	(2) BC Braids 95% Coverage Inner: 10.1Ω/M' 33.1Ω/km	.360	9.14	75	83%	16.2	53.1	1	.3	1.0	
																		3.6	.6	1.8
																		10	.8	2.7
																		71.5	2.2	7.2
																		135	3.0	9.8
																		270	4.2	13.8
																		360	4.8	15.7
																		540	5.9	19.4
																		720	6.9	22.6
																		750	7.1	23.3
																		1000	8.8	28.9
																	1500	12.0	39.4	
																	2250	16.4	53.8	
																	3000	20.4	66.9	

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.

Gas-injected Foam HDPE Insulation • Belflex® Jacket (Red, Yellow, Green, Blue, Purple or Black) PVC Insulation between Braids

75°C		1856B	NEC:	1000	304.8	86.0	39.1	20 AWG	.145	3.68	(2) BC Braids	.360	9.14	75	83%	16.2	53.1	1	.3	1.0
60°C (UL)		CMR						(solid)			95%							3.6	.6	1.8
		CEC:						.032"			Coverage							10	.8	2.7
		CMG FT4						BC			Inner:							71.5	2.2	7.2
								10.1Ω/M'			2.5Ω/M'							135	3.0	9.8
								33.1Ω/km			8.2Ω/km							270	4.2	13.8
											Outer:							360	4.8	15.7
											1.6Ω/M'							540	5.9	19.4
											5.2Ω/km							720	6.9	22.6
																		750	7.1	23.3
																	1000	8.8	28.9	
																	1500	12.0	39.4	
																	2250	16.4	53.8	
																	3000	20.4	66.9	

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

80°C	9267	—	500	152.4	39.5	18.0	20 AWG	.145	3.68	(2) BC Braids	.360	9.14	75	82%	16.3	53.5	1	.3	1.0
VW-1			1000	304.8	77.0	35.0	(solid)			95%							3.6	.6	2.0
							.032"			Coverage							10	.9	3.0
							BC			Inner:							71.5	2.1	6.9
							10.1Ω/M'			2.5Ω/M'							135	2.9	9.5
							33.1Ω/km			8.3Ω/km							270	4.2	13.8
									Outer:								360	4.8	15.7
									2.6Ω/M'								540	6.0	19.7
									8.6Ω/km								720	6.7	22.0
																	750	6.9	22.6
																	1000	8.3	27.2
																	1500	10.5	34.4
Suitable for Outdoor and Direct Burial applications.																	2250	13.4	44.0
																	3000	15.9	52.2

Suitable for Outdoor and Direct Burial applications.

BC = Bare Copper • DCR = DC Resistance • 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.

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

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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

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

14 AWG Solid .064" Bare Copper Conductor • Double Bare Copper Shield (95% Coverage)**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket** (Polyethylene Insulation between Braids)

	80°C	8233	—	500	152.4	63.0	28.6	14 AWG	.285	7.24	(2) BC Braids	.475	12.07	75	84%	16.1	52.8	1	.2	.7
				1000	304.8	122.0	55.5	(solid)			95%							3.6	.3	1.0
				2000	609.6	240.0	109.1	.064"			Coverage							10	.4	1.3
								BC			Inner:							71.5	1.1	3.6
								2.5Ω/M'			1.6Ω/M'							135	1.5	4.9
								8.2Ω/km			5.2Ω/km							270	2.3	7.5
											Outer:							360	2.7	8.9
											1.4Ω/M'			100% Sweep tested. 5 MHz to 3 GHz.				540	3.5	11.5
											4.6Ω/km							720	4.2	13.8
																		750	4.3	14.1

Suitable for Outdoor and Direct Burial applications.

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

	75°C	8233A	NEC:	1000	304.8	136.0	61.7	14 AWG	.285	7.24	(2) BC Braids	.475	12.07	75	84%	16.1	52.8	1	.2	.7	
	60°C (UL)		CMR	2000	609.6	266.0	120.7	(solid)			95%								3.6	.3	1.0
			CEC:	4000	1219.2	572.0	259.5	.064"			Coverage								10	.4	1.3
			CMG					BC			Inner:								71.5	1.1	3.6
								2.5Ω/M'			1.6Ω/M'								135	1.5	4.9
								8.2Ω/km			5.2Ω/km								270	2.3	7.5
											Outer:								360	2.7	8.9
											1.4Ω/M'			100% Sweep tested. 5 MHz to 3 GHz.					540	3.5	11.5
											4.6Ω/km								720	4.2	13.8
																			750	4.3	14.1
																1000	5.2	17.1			
																1500	7.1	23.3			
																2250	9.6	31.5			
																3000	12.0	39.4			

Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket (PE Insulation between Braids; Flooding Compound on Outer Braid)

	Flooded	7803A	—	500	152.4	64.0	29.1	14 AWG	.285	7.24	(2) BC Braids	.475	12.07	75	84%	16.1	52.8	1	.2	.7		
	80°C			1000	304.8	123.0	55.9	(solid)			95%									3.6	.3	1.0
				3000	914.4	381.0	173.2	.064"			Coverage									10	.4	1.3
								BC			Inner:									71.5	1.1	3.6
								2.5Ω/M'			1.6Ω/M'									135	1.5	4.9
								8.2Ω/km			5.2Ω/km									270	2.3	7.5
											Outer:									360	2.7	8.9
											1.4Ω/M'			100% Sweep tested. 5 MHz to 3 GHz.						540	3.5	11.5
											4.6Ω/km									720	4.2	13.8
																				750	4.3	14.1
																1000	5.2	17.1				
																1500	7.1	23.3				
																2250	9.6	31.5				
																3000	12.0	39.4				
Suitable for Outdoor and Direct Burial applications.																						

Suitable for Outdoor and Direct Burial applications.

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

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

Audio and Video Composite Camera Cable

Overview



Audio and Video Composite Camera Cables

Audio/video composite cables are used in camera cable applications requiring one or more coaxes for video and one or more shielded pairs for audio and power.

Applications for such cables include interconnect of remote field cameras for Electronic News Gathering (ENG), Electronic Field Production (EFP) and Closed Circuit Television (CCTV).

ENG cameras are used in shooting on-site News reports which may be live or recorded. EFP applications involve on-site recording of videos produced for companies or private enterprises (i.e., advertisement or training films).

The three most common audio/video configurations are one coax-one pair, one coax-three pair and two coax-three pair designs.

One Coax-One Pair

The most common use for cable of this design is the interconnection of cameras requiring one coax for the video connection to the camera and one pair for audio.

The audio pair may be connected either to the camera itself, to an audio junction box or directly into a microphone.

Another common application for this design is the connection of CCTV surveillance cameras where the coax is used for the video connection and the twisted pair to power the camera.

One Coax-Three Pair

This cable is used in camera applications requiring a coaxial video feed, one audio pair for a MIC hook-up, and two audio pairs for the Interrupted Feedback (IFB) connections to the camera person and talent (anchor). IFB is the audio feed(s) to the talent and camera person's headset which enables them to listen and receive information and directions from the news director as they make the recording.

Two Coax-Three Pair

Camera applications utilizing this design again utilize one coax for the camera video connection and three audio pairs for the MIC and IFB hook-ups. The additional coax can be used to provide video to a portable TV monitor so the talent can view him or herself as the report is being recorded.

HDTV Fiber/Copper Composite Cable

Designed specifically for high-definition cameras, these composite cables can multiplex audio and video signals and power. The cables meet all the requirements of the SMPTE 311 standard developed by the Society of Motion Picture and Television Engineers (SMPTE). They are also compatible with industry standard SMPTE 304M connectors.

Audio and Video Composite Camera Cable

SMPTE 311M HDTV Cables

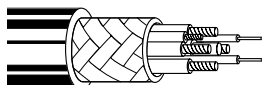
Single-mode Fiber with Copper Conductors



Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nominal Optical Attenuation (@1310nm)	
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm	dB/1000 Ft.	dB/km

4 Power Conductors • SM Fiber w/24 and 20 AWG Stranded (7x32 and 19x32) TC Conductors • TC Braid Shield (95% Coverage)

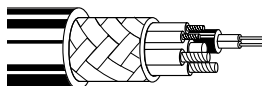
PVC Insulation • Black Belflex® Jacket

	7804R	NEC:	328	100.0	33.1	15.0	(2) Fibers:	.035	.89	36 AWG	.362	9.20	.14	.45
		CMR:	500	152.4	47.5	21.6	SM/125µ/900µ			TC Braid				
		CEC:	1000	304.8	96.0	43.5	(core/clad/buffer)			95% Shield				
		CMG FT4	1640	500.0	152.5	69.2	(2) Cond.: 24 AWG (7x32) .024"	.050	1.27	Coverage				
			3280	1000.0	314.9	142.8	Tinned Copper 23.3Ω/M' 76.4Ω/km			2.9Ω/M' 9.5Ω/km				
							(4) Cond.: 20 AWG (19x32) .037"	.063	1.60					
							Tinned Copper 8.8Ω/M' 28.9Ω/km							

Plenum version and other conductor counts/diameters available by special order.

2 Power Conductors • SM Fiber^ w/24 and 16 AWG Stranded (7x32 and 65x34) TC Conductors • TC Braid Shield (95% Coverage)

PVC Insulation • Black Belflex® Jacket

	7804C	NEC:	328	100.0	32.8	14.9	(2) Breakout	.079	2.00	38 AWG	.362	9.20	.14	.45
		CMR:	500	152.4	49.0	22.2	Fibers:			TC Braid				
		CEC:	1000	304.8	99.0	44.9	SM/125µ/900µ			95% Shield				
		CMG FT4	1640	500.0	157.4	71.4	(core/clad/buffer)			Coverage				
			3280	1000.0	324.7	147.3	(2) Cond.: 24 AWG (7x32) .024"	.050	1.27	2.8Ω/M' 9.2Ω/km				
							Tinned Copper 23.3Ω/M' 76.4Ω/km							
							(2) Cond.: 16 AWG (65x34) .059"	.093	2.36					
							Tinned Copper 4.3Ω/M' 14.1Ω/km							

Plenum version and other conductor counts/diameters available by special order.

▲Fibers and aramid fillers contained within a .008 in (2.0mm) diameter PVC breakout jacket.

DCR = DC Resistance • SM = Single-mode • TC = Tinned Copper

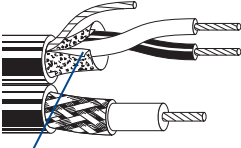
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. 1-800-BELDEN-1. Request quotations of cables not listed.

Composite Camera Cable

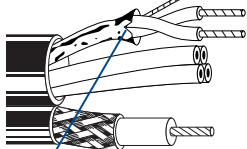
Television Camera and CCTV Cables

RG-59/U Type Coax with Shielded Twisted Pair(s)



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	Overall 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) Conductors • BC Coax w/BC Braid Shield (95% Coverage) • TC Twisted Pair w/Beldfoil® Shield (100% Cov.) + Drain Wire																			
Foam Polyethylene (Coax) and PVC (Pairs) Insulation • Black PVC Jacket																			
UL AWM Style 20006 30V 60°C	9265	NEC: CL2	500 1000	152.4 304.8	32.5 62.0	14.7 28.1	(1) Coax: 22 AWG (7x30) .030" BC 15.0Ω/M' 49.2Ω/km	.146 Coax OD: .242	3.71 6.15	BC Braid 95% Shield Coverage 2.6Ω/M' 8.5Ω/km	.242 x .470	6.15 x 11.94	75	78%	17.3	56.8	1 5 10 50 100	.3 .7 1.0 2.1 3.0	1.0 2.3 3.3 6.9 9.8
							(2) Cond: 22 AWG (7x30) .030" TC 15.0Ω/M' 49.2Ω/km Black, Red	.054 Pair OD: .112	1.37 2.84	Pair: Beldfoil Shielded 100% Shield Coverage w/ 22 AWG Drain Wire 11.0Ω/M' 36.1Ω/km			35	58%	51.0	167.3			
Z-Fold®																			
Siamese Type Construction																			

22 AWG Stranded (7x30) Conductors • BC Coax w/BC Braid Shield (95% Cov.) • (3) TC STP Individually Beldfoil Shielded (100% Cov.) w/Drain Wire

Foam Polyethylene (Coax) and PVC (Pairs) Insulation • Black PVC Jacket																			
UL AWM Style 20006 30V 60°C	9165	NEC: CL2X	500 1000	152.4 304.8	50.0 94.0	22.7 42.7	(1) Coax: 22 AWG (7x30) .030" BC 15.0Ω/M' 49.2Ω/km	.146 Coax OD: .242	3.71 6.15	BC Braid 95% Shield Coverage 2.6Ω/M' 8.5Ω/km	.290 x .561	7.37 x 14.25	75	78%	17.3	56.8	1 5 10 50 100 400	.3 .7 1.0 2.1 3.0 7.4	1.0 2.3 3.3 6.9 9.8 24.3
																			
Z-Fold®																			
Siamese Type Construction																			
(3) Pairs: .054 1.37 Pair OD: .116 2.95 22 AWG (7x30) .030" TC 15.0Ω/M' 49.2Ω/km Red & Black, Orange & Brown, Green & White Each Pair: Individually Beldfoil Shielded 100% Shield Coverage w/ 22 AWG Drain Wire 11.0Ω/M' 36.1Ω/km																			

BC = Bare Copper • DCR = DC Resistance • STP = Shielded Twisted Pairs • 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.

Composite Camera Cable

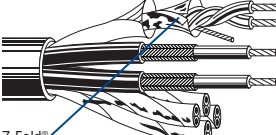
Audio and Video, ENG and EFP Cables

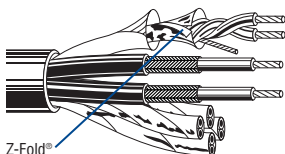
Multiple Coax with Shielded Twisted Pairs

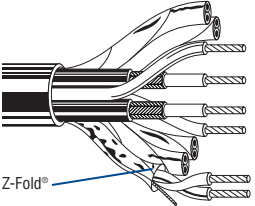


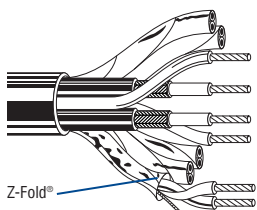
Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
			Ft.	m	Lbs.	kg		Inch	mm		Inch	mm			pF/Ft.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

12-conductor EFP and ENG Camera Cable**Foam Polyethylene (Coax) and Polypropylene (Pairs) Insulation • Overall Chrome PVC Jacket**

75°C VW-1	9170	—	1000	304.8	113.0	51.4	(2) Coax: 25 AWG (7x33) .022" BC 31.2Ω/M' 102.0Ω/km Black, Black with Hash Marks	.100 2.54 .150 3.81	Each Coax: TC Braid 93% Shield Coverage 6.0Ω/M' 19.7Ω/km	.490 12.45	75	78%	17.3	56.8	1 10 50 100 300 500	.4 1.5 3.8 5.6 10.6 13.8	1.3 4.9 12.5 18.4 34.8 45.3
							(5) Pairs: 24 AWG (7x32) .024" TC 24.0Ω/M' 78.0Ω/km Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow	.044 1.12 .095 2.41	Each Pair: Beldfoil® Shielded 100% Shield Coverage with 24 AWG Drain Wire 18.0Ω/M' 59.1Ω/km	66%			27.0	88.6			

**14-conductor EFP and ENG Camera Cable****Foam Polyethylene (Coax) and PVC (Pairs and Conductors) Insulation • Overall Chrome PVC Jacket**

75°C	9171	—	500 1000	152.4 304.8	97.5 193.0	44.3 87.7	(2) Coax: 22 AWG (7x30) .030" BC 15.0Ω/M' 49.2Ω/km Black, Black with Hash Marks	.146 3.71 .242 6.15	Each Coax: BC Braid 95% Shield Coverage 2.5Ω/M' 8.6Ω/km	.585 14.86	75	78%	17.3	56.8	1 2 10 50 100	.3 .6 1.0 2.3 3.2	1.0 2.0 3.3 7.5 10.5	
							(5) Pairs: 22 AWG (7x30) .030" TC 15.0Ω/M' 49.2Ω/km Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow	.054 1.37 .110 2.79	Each Pair: Beldfoil Shielded 100% Shield Coverage with 22 AWG Drain Wire 11.6Ω/M' 38.0Ω/km				51.0	167.3				
							(2) Cond: 16 AWG (26x30) .060" TC 4.0Ω/M' 13.1Ω/km Black, White	Each Cond. OD: .092 2.34										



BC = Bare Copper • DCR = DC Resistance • EFP = Electronic Field Production • ENG = Electronic News Gathering • 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.

Composite Camera Cable

Television Camera and CCTV Cables



TPE TV Camera Cable

28-Conductor

Product Description

A 75 Ohm cable designed to remain flexible in cold weather. Recommended for transistorized TV cameras.

(4) Conductors — 18 AWG: (16x30) Tinned copper, PVC insulation, ring band stripe color coded. Beldfoil® shield wrapped around four conductors with stranded drain wire. Polyester tape over this shielded group (100% coverage).

(21) Conductors — 22 AWG: (7x30) Tinned copper, PVC insulation, cabled in three groups of seven, ring band stripe color coded. One group of seven has Beldfoil shield wrapped overall with drain wire. Polyester tape over this shielded group (100% coverage). Other two groups are unshielded.

(3) 75 Ohm Coaxial Cables — 25 AWG: (7x33) .021" (.53mm) bare copper-covered steel. Polyethylene insulation. Core OD .121" (3.07mm). Tinned copper braid shield (95% coverage) plus cotton braid. Coax OD .178" (4.52mm).

Overall: Tinned copper braid shield (85% coverage). Black thermoplastic elastomer jacket.

Specifications

Conductor	
(25) Conductors	Tinned Copper
(3) Coax	Bare Copper-covered Steel
Insulation	
Conductors	PVC
Coax	PE
Shield	
(4) 18 AWG Conductors	Beldfoil + PE Tape
(7) 22 AWG Conductors	Beldfoil + PE Tape
(14) 22 AWG Conductors	Unshielded
(3) Coax	95% TC Braid + Cotton Braid
Overall	85% Tinned Copper Braid
Jacket	Black TPE
Nominal OD	.730" (18.54mm)
Nominal Impedance (Coax)	75Ω
Temperature Rating	80°C

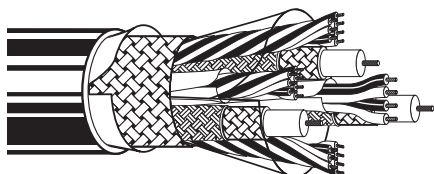
Part No.	UL NEC/C(UL) CEC Type	Standard Lengths		Standard Unit Weight	
		Ft.	m	Lbs.	kg

TPE TV Camera

28-conductor

8286	500 [†]	152.4	163.0	73.9
	1000 [†]	304.8	323.0	146.5

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



Remote Control and Video Cable

13-Conductor

Product Description

Recommended for use in installations requiring external drive signals, tallies, intercom, switching and video operations. UL recognized component (Style 2594). Passes VW-1 Vertical Wire Flame Test.

(12) Conductors — 20 AWG: (7x28) Tinned copper, PVC insulation, color coded.

(1) 75 Ohm Coaxial — 22 AWG: (7x30) .031" (.79mm) tinned copper. Foam polyethylene insulation. Core OD .146" (3.71mm). Bare copper braid shield (95% coverage). Black PVC jacket. Coax OD .208" (5.28mm).

Overall: Tinned copper braid shield (80% coverage). Gray PVC jacket.

Specifications

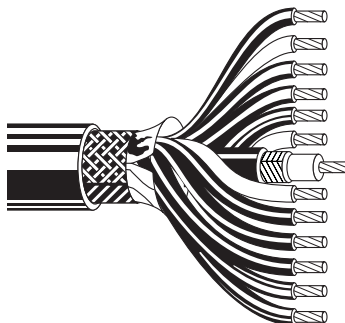
Conductor	
(12) Conductors	Tinned Copper
(1) Coax	Tinned Copper
Insulation	
Conductors	PVC
Coax	Foam PE
Shield	
(12) Conductors	Unshielded
(1) Coax	95% Bare Copper Braid
Overall	80% Tinned Copper Braid
Jacket	Gray PVC
Nominal OD	.406" (11.70mm)
Nominal Impedance (Coax)	75Ω
Temperature Rating	60°C/75°C (UL)
Approvals/Rating	
UL AWM Style	2594
NEC Rating	CL2X

Part No.	UL NEC/C(UL) CEC Type	Standard Lengths		Standard Unit Weight	
		Ft.	m	Lbs.	kg

Remote Control and Video

13-conductor

9262	NEC	100	30.5	15.0	6.8
	CL2X	1000	304.8	160.0	72.6



Composite Camera Cable

Television Camera and CCTV Cables



Audio and Video Composite Cable

3 Paired, RG-59U Type

Product Description

Recommended for Electronic News Gathering (ENG) applications.

(3) Pairs — 22 AWG: (7x30) Tinned copper, polypropylene insulation. Nominal insulated conductor OD .046" (1.17 mm). Individually Beldfoil® shielded with drain wire. PVC jacket, OD .125" (3.20mm). Jacket colors: Brown, Red and Orange. Nominal impedance: 50Ω. Nominal velocity of propagation: 66%. Nominal capacitance: 32 pF/ft. (105 pF/m)*, 58 pF/ft. (191 pF/m)**.

(2) 75 Ohm Coaxial Cables — 25 AWG: (7x33) .021" (.53mm) Bare copper. Foam polyethylene insulation. Nominal Core OD .100" (2.54mm). Duofoil® plus tinned copper braid shield (95% coverage). PVC Jacket OD .160" (4.06mm). Jacket colors: Red and Black. Nominal Impedance: 75Ω. Nominal velocity of propagation: 78%. Nominal capacitance: 17.3 pF/ft. (56.8 pF/m). Nominal attenuation value for respective frequencies:

1 MHz	.5 db/100 ft.	1.5 db/100m
5 MHz	1.1 db/100 ft.	3.6 db/100m
10 MHz	1.5 db/100 ft.	4.9 db/100m
50 MHz	3.2 db/100 ft.	10.5 db/100m
100 MHz	4.3 db/100 ft.	14.1 db/100m
300 MHz	10.6 db/100 ft.	34.8 db/100m
500 MHz	13.8 db/100 ft.	45.3 db/100m

Overall: Matte Black PVC jacket.

Specifications

Conductor	
(3) Pairs	Tinned Copper
(2) Coax	Bare Copper
Insulation	
Pairs	Polypropylene
Coax	Foam Polyethylene
Shield	
(3) 22 AWG Pairs	Beldfoil
(2) Coax	Tinned Copper Braid
Jacket	
Matte Black PVC	
Nominal OD	
.492" (12.50mm)	
Nominal Impedance (Coax)	
75Ω	

*Capacitance between conductors.

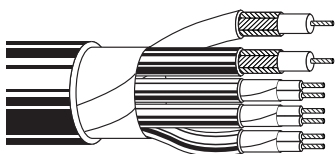
**Capacitance between one conductor and other conductors connected to shield.

Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight	
		Ft.	m	Lbs.	kg

Audio and Video Composite Cable

RG-59/U Type • 3 Paired

1263B	500	152.4	58.5	26.6
	1000	304.8	113.0	51.4



Camera Extension Cable

13-Conductor

Product Description

UL Recognized Component (Style 2497). Recommended for remote control, closed circuit and cue line applications.

Style 2497 is specified for the Dage 800 and other similar cameras. Passes VW-1 Vertical Wire Flame Test.

(2) Conductors — 20 AWG: (10x30) Tinned copper, PVC insulation, color coded, twisted pair, Mylar® tape wrapped.

(9) Conductors — 22 AWG: (7x30) Tinned copper, PVC insulation. (2) conductors cabled with Beldfoil shield. (2) conductors cabled, unshielded. (5) conductors unshielded.

(2) 75 Ohm Coaxial Cables — 26 AWG: (7x34) .019" (.48mm) bare copper-covered steel. Foam high-density polyethylene insulation. Core OD .088" (2.24mm). Tinned copper braid shield (95% coverage). PVC jacket, color coded. Coax OD .142" (3.61mm).

Overall: Tinned copper braid shield (85% coverage). Chrome PVC jacket.

Specifications

Conductor		
(11) Conductors		Tinned Copper
(2) Coax		Bare Copper-covered Steel
Insulation		
Conductors		PVC
Coax		Foam PE
Shield		
(7) Conductors		Unshielded
(2) Conductors		Beldfoil
(2) Conductors		Mylar Tape
(2) Coax		95% Tinned Copper Braid
Overall		85% Tinned Copper Braid
Jacket		Chrome PVC
Nominal OD		.550" (13.97mm)
Nominal Impedance (Coax)		75Ω
Temperature Rating		60°C
Approvals/Rating		
UL AWM Style		2497
NEC Rating		CL2X

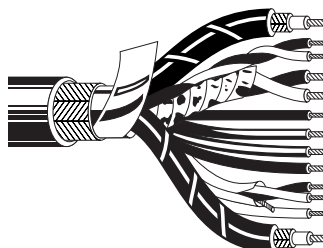
Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight	
		Ft.	m	Lbs.	kg

Camera Extension Cable

13-conductor

9254	NEC	250 [†]	30.5	45.5	20.7
	CL2X	1000 [†]	304.8	177.0	80.5

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



Mylar is a DuPont trademark.



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

RGB Component Video Cable

Bundled RGB Coaxial Cables

Miniature and High-Flex Type



RGB coaxial cables are used for sending red, green and blue signals through separate coaxes in COMPONENT video applications. This type of video transmission provides a sharper, clearer picture than does the composite video format. COMPONENT video and RGB cabling is ideal for use in graphics, animation and computer display applications.

These bundled coaxial cables are available in 3, 4, 5 and 6 conductor versions and are color coded for easy identification. Cable selection depends on whether the component transmission

is RGB (3 conductor), RGB and Sync (4 conductor), or RGB, Sync and Hold (5 conductor). 6 conductor designs are used for digital audio (AES 3id) and SPDIF (Sony-Phillips Digital Interface) applications, and for specialized component video, multi-channel video, or combination applications.

All Belden® RGB cables are pre-timed to less than 5.0 ns/100 ft. delay difference between each coax. This allows for cut-and-connect installation with no TDR or Vectorscope timing required.

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		Inch	mm		Inch	mm			pF/Ft.	pF/m	MHz	dB/ 100 Ft.	dB/ 100m

Miniature • 30 AWG Stranded (7x38) .012" TC Conductors • Coax: Duofoil® (100% Cov.) + TC Braid (90% Cov.) • Overall Beldfoil® Shield

Foam HDPE Insulation • Inner PVC Jackets (Color Code: See chart below) • **Overall Black PVC Jacket**

UL AWM Style 1354 (30V 60°C)	1520A	NEC: CL2	3	500	152.4	23.0	10.4	30 AWG (7x38)	.056	1.42	Coaxes: Duofoil + 90% TC Braid Overall: Beldfoil 9.5Ω/M' 31.2Ω/km	.283	7.19	75	78%	17.3	56.7	1	.8	2.6
				1000	304.8	50.0	22.7	.012" TC	.102	2.59								5	1.5	4.9
								100.0Ω/M'										10	2.2	7.2
								328.0Ω/km										30	4.0	13.1
																		50	5.4	17.7
	1521A	NEC: CL2	4	500	152.4	31.0	14.1	same as above	.056	1.42	same as above	.310	7.87					100	8.2	26.9
				1000	304.8	60.0	27.3		.102	2.59								200	12.5	41.0
																		400	18.9	62.0
																		700	26.5	86.9
																		900	30.8	101.0
	1522A	NEC: CL2	5	500	152.4	34.5	15.6	same as above	.056	1.42	same as above	.338	8.59					1000	32.8	107.6
				1000	304.8	67.0	30.4		.102	2.59										

High-Flex • 26 AWG Stranded (7x34) .019" Bare Copper Conductors • Duofoil (100% Coverage) + TC Braid Shield (93% Coverage)

Foam HDPE Insulation • Inner PVC Jackets (Color Code: See chart below) • **Overall Matte Black PVC Jacket**

60°C	1406B	—	3	1000†	304.8	79.0	35.8	26 AWG (7x34)	.089	2.29	Duofoil + 93% TC Braid 8.6Ω/M' 28.2Ω/km	.388	9.86	75	78%	17.3	56.7	1	.6	2.0
								.019" BC	.146	3.71								5	1.3	4.3
								41.5Ω/M'										10	1.8	5.9
								136.0Ω/km										30	3.1	10.2
																		50	3.9	12.8
	1407B	—	4	1000†	304.8	100.0	45.5	same as above	.089	2.29	same as above	.455	11.56					100	5.4	17.7
									.146	3.71								200	7.5	24.6
																		400	10.4	34.1
																		700	13.5	44.3
																		900	15.2	49.9
	1417B	—	5	1000†	304.8	110.0	49.9	same as above	.089	2.29	same as above	.477	12.12					1000	15.9	52.2
									.146	3.71										

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 cables not listed.

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

Color Code Chart

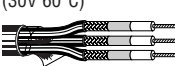
Cond.	Color
1	Red
2	Green
3	Blue
4	White
5	Yellow

RGB Component Video Cable

Bundled RGB Coaxial Cables

CM 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
26 AWG Stranded (7x34) .019" BC Conductors • Duofoil® (100% Coverage) + TC Braid Shield (93% Coverage) • Overall Polyester Tape																				
Foam HDPE Insulation • Inner PVC Jackets (Color Code: See chart below) • Overall Black PVC Jacket																				
UL AWM Styles 1354 and 2668 (30V 60°C) 	1164B	NEC: CM	3	500 † 1000 †	152.4 304.8	38.0 78.0	17.2 35.5	26 AWG (7x34) .019" BC 41.5Ω/M' 136.1Ω/km	.089 Coax OD: .146	2.29 3.71	Duofoil + 93% TC Braid 8.6Ω/M' 28.2Ω/km	.388 9.86	75	78%	17.3	56.7	1 5 10 30 50	.6 1.3 1.8 3.1 3.9	2.0 4.3 5.9 10.2 12.8	
		1167B	NEC: CM	4	1000 †	304.8	105.0	47.7	same as above	.089 Coax OD: .146	2.29 3.71	same as above	.455 11.56					100	5.4	17.7
																		200	7.5	24.6
																		400	10.4	34.1
																		700	13.5	44.3
	1418B	NEC: CM	5	500 † 1000 †	152.4 304.8	61.5 119.0	27.9 54.0	same as above	.089 Coax OD: .146	2.29 3.71	same as above	.477 12.12					900	15.2	49.9	
																	1000	15.9	52.2	

BC = Bare Copper • DCR = DC Resistance • 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.

Color Code Chart

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



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

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RGB Component Video CableMiniature Hi-Res Component Video Cables
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" Tinned Copper Conductors • Duobond® (100% Coverage) + TC Braid Shield (95% Coverage)**Gas-injected Foam HDPE Insulation • Black PVC Jacket**

	1281R new	NEC: CMR CEC: CMG	1	1000	304.8	8.0	3.6	25 AWG (solid) .018" TC 34.0Ω/M' 111.6Ω/km	.074	1.88	Duobond (100%) + TC Braid 5.4Ω/M' 17.7Ω/km	.114	2.90	75	80%	17.0	55.8	1	.5	1.7
																		5	1.2	3.8
																		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

100% Sweep Tested. 5 MHz to 850 MHz.
Guaranteed Return Loss -20dB Max.**Plenum • FPFA Insulation • Black Flamarrest® Jacket**

	1282P new	NEC: CMP CEC: CMP FT6	1	1000	304.8	10.0	4.5	25 AWG (solid) .018" TC 31.8Ω/M' 104.3Ω/km	.074	1.88	Duobond (100%) + TC Braid 5.8Ω/M' 19.0Ω/km	.114	2.90	75	81%	17.0	55.8	1	.4	1.3
																		5	.9	3.0
																		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

100% Sweep Tested. 5 MHz to 850 MHz.
Guaranteed Return Loss -20dB Max.**Miniature • 25 AWG Solid .018" Tinned Copper Conductors • Duobond® (100% Coverage) + TC Interlocked Serve Shield (95% Coverage)****FPFA Insulation • PVC Inner Jackets (Color Code: See chart below) • Overall Black Matte PVC Jacket**

	1277R new	NEC: CMR CEC: CMG	3	500 1000	152.4 304.8	25.5 48.0	11.6 21.8	25 AWG (solid) .018" TC 34.0Ω/M' 111.6Ω/km	.074	1.88	Duobond (100%) + TC Serve 5.4Ω/M' 17.7Ω/km	Single: .114 Overall: .320	2.90	75	80%	17.0	55.8	1	.5	1.7
																		5	1.2	3.8
																		50	3.7	12.1
																		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
	1278R new	NEC: CMR CEC: CMG	4	500 1000	152.4 304.8	31.5 60.0	14.3 27.3	same as above	.074	1.88	same as above	Overall: .351	8.92					900	15.0	49.2
																		1000	15.8	51.8
																		3000	31.2	102.4
	1279R new	NEC: CMR CEC: CMG	5	250 500 1000	76.2 152.4 304.8	21.8 40.5 80.0	9.9 18.4 36.4	same as above	.074	1.88	same as above	Overall: .403	10.24							
	1280R new	NEC: CMR CEC: CMG FT4	6	500 1000	152.4 304.8	44.0 87.0	20.0 39.5	same as above	.074	1.88	same as above	Overall: .423	10.74							

Bundled version of 1281R.

100% Sweep Tested. 5 MHz to 850 MHz.
Guaranteed Return Loss -20dB Max.**Plenum • FPFA Insulation • PVDF Inner Jackets (Color Code: See chart below) • Overall Gray PVC Jacket**

	1277P new	NEC: CMP CEC: CMP	3	500 1000	152.4 304.8	19.0 41.0	8.6 18.6	25 AWG (solid) .018" TC 34.0Ω/M' 111.6Ω/km	.074	1.88	Duobond (100%) + TC Serve 5.4Ω/M' 17.7Ω/km	Single: .111 Overall: .276	2.82	75	81%	16.8	55.1	1	.5	1.6
																		5	1.2	3.9
																		50	3.8	12.5
																		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
	1278P new	NEC: CMP CEC: CMP	4	500 1000	152.4 304.8	27.0 52.0	12.3 23.6	same as above	.074	1.88	same as above	Overall: .304	7.72					2250	25.5	83.7
																		3000	33.9	111.2
	1279P* new	NEC: CMP CEC: CMP	5	250 500 1000	76.2 152.4 304.8	19.0 33.5 68.0	8.6 15.2 30.8	same as above	.074	1.88	same as above	Overall: .335	8.51							
	1280P new	NEC: CMP CEC: CMP	6	500 1000	152.4 304.8	39.0 79.0	17.7 35.8	same as above	.075	1.91	same as above	Overall: .369	9.37							

Bundled version of 1282P.

100% Sweep Tested. 5 MHz to 850 MHz.
Guaranteed Return Loss -20dB Max.

DCR = DC Resistance • FPFA = 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

BELDEN

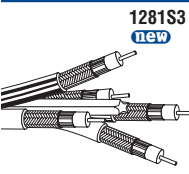
For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

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

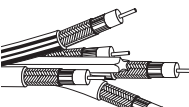
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Conductor (stranding) Diameter Nom. DCR	Nominal Core OD		Shielding Materials Nom. DCR	Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance		Nominal Attenuation		
				Ft.	m	Lbs.	kg		Inch	mm		Inch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

	1281S3 new	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 5 50 100 200 400 750 900 1000 3000	.52 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 new	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 new	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 new	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

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 Spline • No Overall Jacket**

	1282S3 new	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 5 50 100 200 400 750 1000 2250 3000	.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 new	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 new	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 new	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

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

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

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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**

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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.

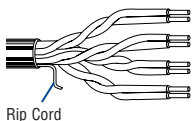
Cables in this section are NanoSkew, a UTP cable with no Ethernet data rating (all pairs have the same twist rate), and Brilliance VideoTwist Cat 5e and Cat 6 rated cables with lower, carefully monitored skew relative to standard data cables. Cables designed only for data applications meet their own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

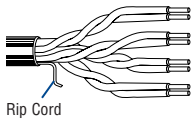
300V RMS	7987R new	NEC: CMR CEC: CMG	4	U-1000 U-1640	U-304.8 U-500.0	20.0 32.8	9.1 14.9	.195	4.95	9.0	100	15.0	1	2.0
													4	4.1
													8	5.8
													10	6.5
													16	8.2
													20	9.3
													25	10.4
													31.25	11.7
													62.5	17.0
													100	22.0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

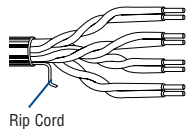
NanoSkew® Non-Data and Brilliance VideoTwist® Low-Skew Data Rated Types



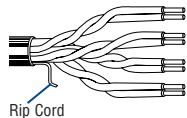
Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Insulation Thickness		Nominal OD		Max. DCR (Ω / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)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

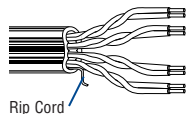
300V RMS	7988R new	NEC: CMR CEC: CMG FT4	4	U-1000 U-1640	U-304.8 U-500.0	22.0 36.1	10.0 16.4	.008 .20	.204	5.18	9.0	3.0	66.0	1	2.0	65.3	60.3	60.8	100±15	20.0
														4	4.1	53.3	49.2	48.7	100±15	23.0
														8	5.8	48.8	43.0	42.7	100±15	24.5
														10	6.5	47.3	40.8	40.8	100±15	25.0
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

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

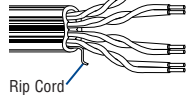
300V RMS	7988P new	NEC: CMP CEC: CMP FT6	4	U-1000 U-1640	U-304.8 U-500.0	23.0 37.7	10.4 17.1	.008 .20	.193	4.90	9.0	3.0	66.0	(same as 7988R above)						
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**Nanoskew™ Category 6 • 23 AWG Bonded-Pairs** Solid Bare Copper Conductors • Skew 10.0ns/100m 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

**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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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

RJ-45 Cables for Audio and Video Applications

4-Pair ScTP Cat 5e Indoor/Outdoor for Wireless LAN and
High-Flex and Rugged Cat 5e Patch Cable

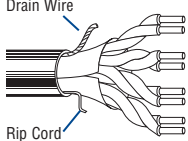


Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Insulation Thickness		Nominal OD		Max. DCR (Ω / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. PSUM NEXT (dB)	Min. PSUM ACR (dB/ 100m)	Min. PSUM ELFEXT (dB/ 100m)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

Wireless LAN • 24 AWG Solid BC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • Stranded TC Drain Wire

Non-Plenum • Polyolefin Insulation (Color Code: See Chart Below) • **Oil- and Sun-Resistant Black PVC Jacket**

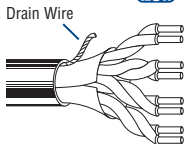
300V RMS	1300A new	NEC: CMR, CMX CEC: CMG FT4	4	500	152.4	18.5	8.4	.010	.25	.265	6.73	9.3	3.0	330	1	2.0	62.3	60.0	60.8	100±15	20.0
				1000	304.8	34.0	15.4								4	4.1	53.3	49.0	48.7	100±15	23.0
															8	5.8	48.8	43.0	42.7	100±15	24.5
															10	6.5	47.3	41.0	40.8	100±15	25.0
															16	8.2	44.3	36.0	36.7	100±15	25.0
															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	28.0	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



Shield bonded to jacket. Jacket sequentially marked at 2 ft. intervals.

Non-Plenum • Polypropylene Insulation (Color Code: See Chart Below) • **Black Low-Smoke, Zero-Halogen Jacket**

300V RMS	1300SB new	NEC: CMG-LS CEC: CMG-LS FT4 Limited Smoke	4	1000	304.8	35.0	15.9	.010	.25	.260	6.60	9.3	3.0	330	1	2.0	62.3	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	36.1	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

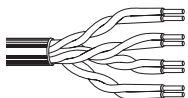


LSZH and ABS Type Approved
Jacket sequentially marked at 2 ft. intervals.

Hi-Flex Patch • 24 AWG Bonded Pairs Stranded (7x32) Bare Copper Conductors

Non-Plenum • Polyolefin Insulation (Color Code: See Chart Below) • **Black Industrial-Grade PVC Jacket**

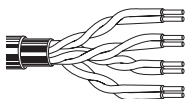
300V RMS	1304A new		4	500	152.4	14.5	6.6	.009	.22	.245	6.22	9.0	3.0	66	1	2.4	65.3	62.9	60.8	100±12	20.0
				1000	304.8	28.0	12.7								4	4.8	56.3	51.5	48.7	100±12	23.0
															8	6.8	51.8	45.0	42.7	100±12	24.5
															10	7.7	50.3	42.6	40.8	100±12	25.0
															16	9.7	47.3	37.5	36.7	100±12	25.0
															20	11.0	45.8	34.8	34.7	100±12	25.0
															25	12.4	44.3	31.9	32.8	100±15	24.3
															31.25	13.9	42.9	29.0	30.9	100±15	23.6
															62.5	20.2	38.4	18.3	24.8	100±15	21.5
															100	26.0	35.3	9.2	20.8	100±18	20.1
															300	48.6	28.2	—	11.2	100±20	18.0
															350	53.2	27.2	—	9.9	100±22	17.0



Jacket sequentially marked at 2 ft. intervals.

Non-Plenum • Polyolefin Insulation (Color Code: See Chart Below) • **PVC Inner Jacket • Matte Black PVC Outer Jacket**

300V RMS	1305A new		4	500	152.4	23.0	10.4	.009	.22	.295	7.49	9.0	3.0	66	1	2.4	65.3	62.9	60.8	100±12	20.0
				1000	304.8	42.0	19.1								4	4.8	56.3	51.5	48.7	100±12	23.0
															8	6.8	51.8	45.0	42.7	100±12	24.5
															10	7.7	50.3	42.6	40.8	100±12	25.0
															16	9.7	47.3	37.5	36.7	100±12	25.0
															20	11.0	45.8	34.8	34.7	100±12	25.0
															25	12.4	44.3	31.9	32.8	100±15	24.3
															31.25	13.9	42.9	29.0	30.9	100±15	23.6
															62.5	20.2	38.4	18.3	24.8	100±15	21.5
															100	26.0	35.3	9.2	20.8	100±18	20.1
															300	48.6	28.2	—	11.2	100±20	18.0
															350	53.2	27.2	—	9.9	100±22	17.0



Jacket sequentially marked at 2 ft. intervals.

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)

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

BELDEN

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

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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
																	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	.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
																	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

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

Composite Data, Audio, Video, Security and Control Cable

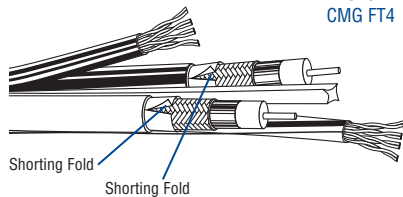
Banana Peel® Jacketless Cables

Category 5e Bonded-Pairs

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Overall Nom. OD		Component Descriptions	Shielding Materials & Nom. DCR	Insulation Material & Color Code	Component Jacket Material & Colors	Component Nom. OD	
			Ft.	m	Lbs.	kg	Inch	mm					Inch	mm

Composite • (2) Cat 5e 4-Bonded-Pair UTP 24 AWG • (2) Series 6 Coax w/Duobond Plus® (Bonded Tri-Shield)**Polyolefin Insulation (Pairs) • Gas-injected FPE Insulation (Coax) • F-R PVC Jackets • No Overall Jacket**

7876S	NEC:	500	152.4	63.0	28.6	.550	13.97	(2) 4-Pair UTP	None	Polyolefin	F-R PVC	.204	5.18
	CMR	1000	304.8	119.0	54.0			Data Cables:		(see chart below)	(1) Blue		
	CEC:							Cat 5e			(1) Green		
	CMG FT4							Bonded-Pairs 24 AWG (solid)					
								Bare Copper Cond. (1700R style)					
								(2) Coax:	Duobond Plus (Bonded Tri-Shield):	Gas-injected Foam Polyethylene	F-R PVC (1) Black (1) White	.275	6.99
								Series 6 18 AWG (solid)	Duobond® + 77% AL Braid + AL Foil w/ Shorting Fold				
								Bare Copper Cond. (7915A style)	4.6Ω/M' 15.1Ω/km				



U.S. Patents 7,049,523; 5,606,151; 5,734,126.
Third party verified to TIA/EIA-568-B.2, Category 5e
Coax sweep tested to 3.0 GHz and jacket sequentially marked.
Coax shield effectiveness 125dB @ 1GHz is better than Quad shield.

Composite • (2) Cat 5e 4-Bonded-Pair UTP 24 AWG • (2) Series 6 Coax w/Duobond Plus • (1) 2-Fiber LANLite®**Polyolefin Insulation (Pairs) • Gas-injected FPE Insulation (Coax) • F-R PVC Jackets • No Overall Jacket**

7878S	NEC:	500	152.4	71.5	32.4	.595	15.11	(2) 4-Pair UTP	None	Polyolefin	F-R PVC	.204	5.18
	CMR OF	1000	304.8	137.0	62.1			Data Cables:		(see chart below)	(1) Blue (1) Green		
	CEC:							Cat 5e					
	CMG OF FT4							Bonded-Pairs 24 AWG (solid)					
								Bare Copper Cond. (1700R style)					
								(2) Coax:	Duobond Plus (Bonded Tri-Shield):	Gas-injected Foam Polyethylene	F-R PVC (1) Black (1) White	.275	6.99
								Series 6 18 AWG (solid)	Duobond + 77% AL Braid + AL Foil w/ Shorting Fold				
								Bare Copper Cond. (7915A style)	4.6Ω/M' 15.1Ω/km				
								(1) 2-Fiber LANLite:	None	PVC (1) Blue (1) Orange	F-R PVC (1) Orange	.175	4.45
								Gigabit Ethernet 62.5μ/125μ/900μ (core/clad/coating)					
								Tight Buffered					

U.S. Patents 7,049,523; 5,606,151; 5,734,126.
Third party verified to TIA/EIA-568-B.2, Category 5e
Coax sweep tested to 3.0 GHz and jacket sequentially marked.
Coax shield effectiveness 125dB @ 1GHz is better than Quad shield.

AL = Aluminum • BC = Bare Copper • DCR = DC Resistance • FPE = Foam Polyethylene • F-R = Flame-retardant • UTP = Unshielded Twisted Pair

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

Request quotations of cables not listed.

Color Codes: Cat 5e UTP

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

Composite Data, Audio, Video, Security and Control Cable

Banana Peel® Jacketless Cables

Category 5e

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Overall Nom. OD		Component Descriptions	Shielding Materials & Nom. DCR	Insulation Material & Color Code	Component Jacket Material & Colors	Component Nom. OD	
			ft.	m	Lbs.	kg	Inch	mm					Inch	mm

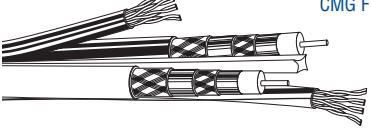
Composite • (1) Cat 5e 4-Pair UTP 24 AWG • (2) Series 6 Coax w/Duobond® IV* Quad Shield

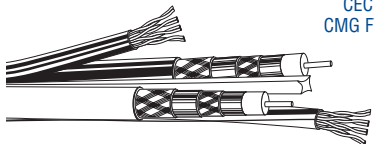
Polyolefin Insulation (Pairs) • Gas-injected FPE Insulation (Coax) • PVC Jackets • No Overall Jacket													
	7956S new	NEC: CMR CEC: CMG FT4	500 1000	152.4 304.8	59.0 112.0	26.8 50.8	.596 15.14	(2) 4-Pair UTP Data Cables: Cat 5e 24 AWG (solid) BC Cond. (1583R style)	None	Polyolefin (see chart below)	PVC (1) Blue (1) Green	.194	4.93
								(2) Coax: Series 6 18 AWG (solid) BC Cond. (7916A style)	Duobond IV Quad Shield: 60% & 40% AL Braids 4.8Ω/M' 15.7Ω/km	Gas-injected Foam Polyethylene	PVC (1) Black (1) White	.298	7.57
U.S. Patent 7,049,523. Third party verified to TIA/EIA-568-B.2, Category 5e. Coax shield effectiveness 110dB @ 1GHz. Coax sweep tested to 3.0 GHz and jacket sequentially marked.													



U.S. Patent 7,049,523.
Third party verified to TIA/EIA-568-B.2, Category 5e.
Coax shield effectiveness 110dB @ 1GHz.
Coax sweep tested to 3.0 GHz and jacket sequentially marked.

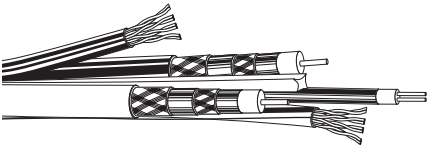
Composite • (2) Cat 5e 4-Pair UTP 24 AWG • (2) Series 6 Coax w/Duobond IV* Quad Shield

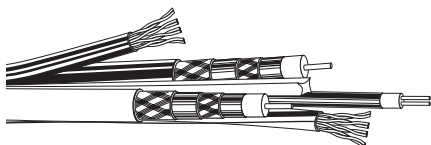
Polyolefin Insulation (Pairs) • Gas-injected FPE Insulation (Coax) • F-R PVC Jackets • No Overall Jacket													
	7913S	NEC: CMR CEC: CMG FT4	500 1000	152.4 304.8	68.5 130.0	31.1 59.0	.600 15.24	(2) 4-Pair UTP Data Cables: Cat 5e 24 AWG (solid) BC Cond. (1583R style)	None	Polyolefin (see chart below)	F-R PVC (1) Blue (1) Green	.194	4.93
								(2) Coax: Series 6 18 AWG (solid) BC Cond. (7916A style)	Duobond IV Quad Shield: 60% & 40% AL Braids 4.8Ω/M' 15.7Ω/km	Gas-injected Foam Polyethylene	F-R PVC (1) Black (1) White	.298	7.57
	U.S. Patent 7,049,523.												
	Third party verified to TIA/EIA-568-B.2, Category 5e.												
Coax shield effectiveness 110dB @ 1GHz.													
Coax sweep tested to 3.0 GHz and jacket sequentially marked.													



U.S. Patent 7,049,523.
Third party verified to TIA/EIA-568-B.2, Category 5e.
Coax shield effectiveness 110dB @ 1GHz.
Coax sweep tested to 3.0 GHz and jacket sequentially marked.

Composite • (2) Cat 5e 4-Pair UTP 24 AWG • (2) Series 6 Coax w/Duobond IV* Quad Shield • (1) 2-Fiber LANLite®

Polyolefin Insulation (Pairs) • Gas-injected FPE Insulation (Coax) • F-R PVC Jackets • No Overall Jacket														
	7914S	NEC: CMR OF CEC: CMG OF FT4	500 1000	152.4 304.8	77.0 148.0	34.9 67.1	.625	15.88	(2) 4-Pair UTP Data Cables: Cat 5e 24 AWG (solid) BC Cond. (1583R style)	None	Polyolefin (see chart below)	F-R PVC (1) Blue (1) Green	.194	4.93
									(2) Coax: Series 6 18 AWG (solid) BC Cond. (7916A style)	Duobond IV Quad Shield: 60% & 40% AL Braids 4.8Ω/M' 15.7Ω/km	Gas-injected Foam Polyethylene	F-R PVC (1) Black (1) White	.298	7.57
									(1) 2-Fiber LANLite: Gigabit Ethernet 62.5μ/125μ/900μ (core/clad/coating) Tight Buffered	None	PVC (1) Blue (1) Orange	F-R PVC (1) Orange	.175	4.45
U.S. Patent 7,049,523. Third party verified to TIA/EIA-568-B.2, Category 5e. Coax shield effectiveness 110dB @ 1GHz. Coax sweep tested to 3.0 GHz and jacket sequentially marked.														



U.S. Patent 7,049,523.
Third party verified to TIA/EIA-568-B.2, Category 5e.
Coax shield effectiveness 110dB @ 1GHz.
Coax sweep tested to 3.0 GHz and jacket sequentially marked.

AL = Aluminum • BC = Bare Copper • DCR = DC Resistance • FPE = Foam Polyethylene • F-R = Flame-retardant • UTP = Unshielded Twisted Pair

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

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

Color Codes: Cat 5e UTP

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

Composite Data, Audio, Video, Security and Control Cable

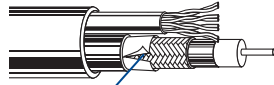
Jacketed Cables

Category 5e Bonded-Pairs

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Overall Nom. OD		Component Descriptions	Shielding Materials & Nom. DCR	Insulation Material & Color Code	Component Jacket Material & Colors	Component Nom. OD	
			Ft.	m	Lbs.	kg	Inch	mm					Inch	mm

Composite • (1) Cat 5e 4-Bonded-Pair UTP 24 AWG • (1) Series 6 Coax w/Duobond Plus® Bonded Tri-Shield

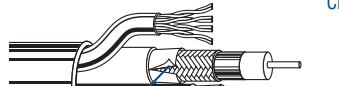
Polyolefin Insulation (Pairs) • Gas-injected FPE Insulation (Coax) • F-R PVC Jackets • Overall Green F-R PVC Jacket

7910A	NEC:	500	152.4	48.5	22.0	.335	8.51	(1) 4-Pair UTP Data Cable: Cat 5e Bonded-Pairs 24 AW (solid) BC Cond. (1700R style)	None	Polyolefin (see chart below)	F-R PVC (1) Blue	.200	5.08
	CEC:	1000	304.8	91.0	41.3	x	x						
	CMG FT4					.535	13.59						
 Shorting Fold													
	(1) Coax: Series 6 18 AWG (solid) Bare Copper Cond. (7915A style)	Duobond Plus Bonded Tri-Shield: Duobond® + 77% AL Braid + AL Foil w/ Shorting Fold 4.6Ω/M' 15.1Ω/km	Gas-injected Foam Polyethylene	F-R PVC (1) Black	.275	6.99							

Third party verified to TIA/EIA-568-B.2, Category 5e
Coax sweep tested to 3.0 GHz and jacket sequentially marked.
Coax shield effectiveness 125dB @ 1GHz is better than Quad shield.

Composite • (2) Cat 5e 4-Bonded-Pair UTP • (2) Series 6 Coax w/Duobond Plus Bonded Tri-Shield

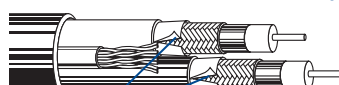
Polyolefin Insulation (Pairs) • Gas-injected FPE Insulation (Coax) • F-R PVC Jackets • Overall Green F-R PVC Jacket

7876A	NEC:	500	152.4	77.0	35.0	.610	15.49	(2) 4-Pair UTP Data Cables: Cat 5e Bonded-Pairs 24 AWG (solid) BC Cond. (1700R style)	None	Polyolefin (see chart below)	F-R PVC (1) Blue (1) Green	.200	5.08
	CEC:	1000	304.8	148.0	67.2								
	CMG FT4												
 Shorting Fold													
	(2) Coax: Series 6 18 AWG (solid) Bare Copper Cond. (7915A style)	Duobond Plus Bonded Tri-Shield: Duobond + 77% AL Braid + AL Foil w/ Shorting Fold 4.6Ω/M' 15.1Ω/km	Gas-injected Foam Polyethylene	F-R PVC (1) Black (1) White	.275	6.99							

Third party verified to TIA/EIA-568-B.2, Category 5e
Coax sweep tested to 3.0 GHz and jacket sequentially marked.
Coax shield effectiveness 125dB @ 1GHz is better than Quad shield.

Composite • (1) Cat 5e 4-Bonded-Pair UTP • (2) Series 6 Coax w/Duobond Plus Bonded Tri-Shield

Polyolefin Insulation (Pairs) • Gas-injected FPE Insulation (Coax) • F-R PVC Jackets • Overall Green F-R PVC Jacket

7877A	NEC:	500	152.4	67.0	30.5	.610	15.49	(1) 4-Pair UTP Data Cable: Cat 5e Bonded-Pairs 24 AWG (solid) BC Cond. (1700R style)	None	Polyolefin (see chart below)	F-R PVC (1) Blue	.200	5.08
	CEC:	1000	304.8	128.0	58.2								
	CMG FT4												
 Shorting Fold													
	(2) Coax: Series 6 18 AWG (solid) Bare Copper Cond. (7915A style)	Duobond Plus Bonded Tri-Shield: Duobond + 77% AL Braid + AL Foil w/ Shorting Fold 4.6Ω/M' 15.1Ω/km	Gas-injected Foam Polyethylene	F-R PVC (1) Black (1) White	.275	6.99							

Third party verified to TIA/EIA-568-B.2, Category 5e
Coax sweep tested to 3.0 GHz and jacket sequentially marked.
Coax shield effectiveness 125dB @ 1GHz is better than Quad shield.

AL = Aluminum • BC = Bare Copper • DCR = DC Resistance • FPE = Foam Polyethylene • F-R = Flame-retardant • UTP = Unshielded Twisted Pair

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

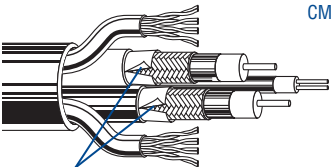
Color Codes: Cat 5e UTP

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

Composite Data, Audio, Video, Security and Control Cable

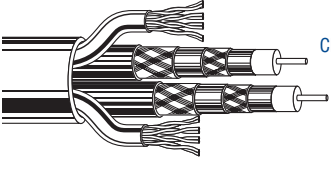
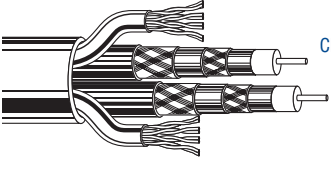
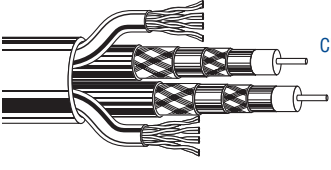
Jacketed Cables

Category 5e Bonded-Pairs and Category 5

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Overall Nom. OD		Component Descriptions	Shielding Materials & Nom. DCR	Insulation Material & Color Code	Component Jacket Material & Colors	Component Nom. OD	
			Ft.	m	Lbs.	kg	Inch	mm					Inch	mm
Composite • (2) Cat 5e 4-Bonded-Pair UTP 24 AWG • (2) Series 6 Coax w/Duobond Plus® Tri-Shield • (1) 2-Fiber LANLite®														
Polyolefin Insulation (Pairs) • Gas-injected FPE Insulation (Coax) • F-R PVC Jackets • Overall Green F-R PVC Jacket														
	7878A	NEC:	500	152.4	84.0	34.2	.635	16.13	(2) 4-Pair UTP Data Cables:	None	Polyolefin (see chart below)	F-R PVC (1) Blue (1) Green	.200	5.08
		CMR OF	1000	304.8	162.0	73.5			Cat 5e Bonded-Pairs 24 AWG (solid) BC Cond. (1700R style)					
		CEC:							(2) Coax: Series 6 18 AWG (solid) Bare Copper Cond. (7915A style)	Duobond Plus Bonded Tri-Shield: Duobond® + 77% AL Braid + AL Foil w/ Shorting Fold 4.6Ω/M' 15.1Ω/km	Gas-injected Foam Polyethylene	F-R PVC (1) Black (1) White	.275	6.99
		CMG OF FT4							(1) 2-Fiber LANLite: Gigabit Ethernet 62.5μ/125μ/900μ (core/clad/coating) Tight Buffered	None	PVC (1) Blue (1) Orange	F-R PVC (1) Orange	.175	4.45
Third party verified to TIA/EIA-568-B.2, Category 5e Coax sweep tested to 3.0 GHz and jacket sequentially marked. Coax shield effectiveness 125dB @ 1GHz is better than Quad shield.														

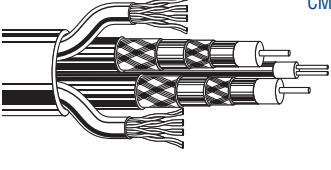
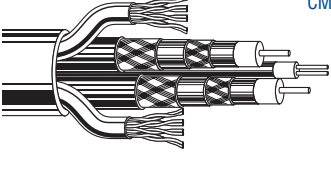
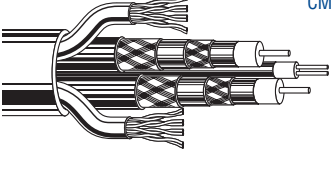
Third party verified to TIA/EIA-568-B.2, Category 5e
Coax sweep tested to 3.0 GHz and jacket sequentially marked.
Coax shield effectiveness 125dB @ 1GHz is better than Quad shield.

Composite • (2) Cat 5 4-Pair UTP 24 AWG • (2) Series 6 Coax w/Duobond IV* Quad Shield

Polyolefin Insulation (Pairs) • Gas-injected FPE Insulation (Coax) • F-R PVC Jackets • Overall Green F-R PVC Jacket														
	7913A	NEC:	500	152.4	82.0	37.2	.660	16.76	(2) 4-Pair UTP Data Cables:	None	Polyolefin (see chart below)	F-R PVC (1) Blue (1) Green	.195	4.95
		CMR	1000	304.8	157.0	71.3			Cat 5e 24 AWG (solid) BC Cond. (1583R style)					
		CEC: CMG FT4												
	7913A	NEC:	500	152.4	82.0	37.2	.660	16.76	(2) Coax: Series 6 18 AWG (solid) BC Cond. (7916A style)	Duobond IV Quad Shield: 60% & 40% AL Braids 4.8Ω/M' 15.7Ω/km	Gas-injected Foam Polyethylene	F-R PVC (1) Black (1) White	.298	7.57
		CMR	1000	304.8	157.0	71.3								
		CEC: CMG FT4												
	7913A	NEC:	500	152.4	82.0	37.2	.660	16.76	(1) 2-Fiber LANLite: Gigabit Ethernet 62.5μ/125μ/900μ (core/clad/coating) Tight Buffered	None	PVC (1) Blue (1) Orange	F-R PVC (1) Orange	.175	4.45
		CMR	1000	304.8	157.0	71.3								
		CEC: CMG FT4												

Third party verified to TIA/EIA-568-B.2, Category 5e
Coax sweep tested to 3.0 GHz and jacket sequentially marked.
Coax shield effectiveness 110dB @ 1GHz.

Composite • (2) Cat 5 4-Pair UTP 24 AWG • (2) Series 6 Coax w/Duobond IV* Quad Shield • (1) 2-Fiber LANLite

Polyolefin Insulation (Pairs) • Gas-injected FPE Insulation (Coax) • F-R PVC Jackets • Overall Green F-R PVC Jacket														
	7914A	NEC:	500	152.4	88.0	40.0	.660	16.76	(2) 4-Pair UTP Data Cables:	None	Polyolefin (see chart below)	F-R PVC (1) Blue (1) Green	.195	4.95
		CMR OF	1000	304.8	169.0	76.7			Cat 5e 24 AWG (solid) BC Cond. (1583R style)					
		CEC: CMG OF FT4												
	7914A	NEC:	500	152.4	88.0	40.0	.660	16.76	(2) Coax: Series 6 18 AWG (solid) BC Cond. (7916A style)	Duobond IV Quad Shield: 60% & 40% AL Braids 4.8Ω/M' 15.7Ω/km	Gas-injected Foam Polyethylene	F-R PVC (1) Black (1) White	.298	7.57
		CMR OF	1000	304.8	169.0	76.7								
		CEC: CMG OF FT4												
	7914A	NEC:	500	152.4	88.0	40.0	.660	16.76	(1) 2-Fiber LANLite: Gigabit Ethernet 62.5μ/125μ/900μ (core/clad/coating) Tight Buffered	None	PVC (1) Blue (1) Orange	F-R PVC (1) Orange	.175	4.45
		CMR OF	1000	304.8	169.0	76.7								
		CEC: CMG OF FT4												

Third party verified to TIA/EIA-568-B.2, Category 5e
Coax sweep tested to 2.25 GHz and jacket sequentially marked.
Coax shield effectiveness 110dB @ 1GHz.

AL = Aluminum • BC = Bare Copper • DCR = DC Resistance • FPE = Foam Polyethylene • F-R = Flame-retardant • UTP = Unshielded Twisted Pair

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

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

Color Code: Cat 5e UTP

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

BELDEN

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

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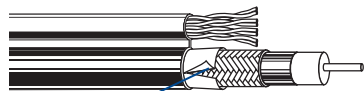
Composite Data, Audio, Video, Security and Control Cable

Siamese Cables

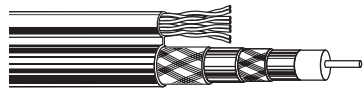
Category 5e Bonded-Pairs and Category 5

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Overall Nom. OD		Component Descriptions	Shielding Materials & Nom. DCR	Insulation Material & Color Code
			Ft.	m	Lbs.	kg	Inch	mm			

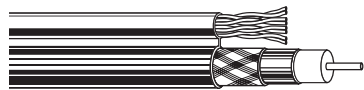
Composite • (1) Cat 5e 4-Bonded-Pair UTP 24 AWG • (1) Series 6 Coax w/Duobond Plus® Bonded Tri-Shield**Polyolefin Insulation (Pairs) • Gas-injected FPE Insulation (Coax) • Overall Green F-R PVC Jacket**

Siamese Construction	7911A	NEC: CMR CEC: CMG FT4	500 1000	152.4 304.8	35.0 60.0	15.9 27.2	.275 x .529	6.99 x 13.44	(1) 4-Pair UTP Data Cables: Cat 5e Bonded-Pairs 24 AWG (solid) BC Cond. (1700R style)	None	Polyolefin (see chart below)
 Shorting Fold									(1) Coax: Series 6 18 AWG (solid) Bare Copper Cond. (7915A style)	Duobond Plus Bonded Tri-Shield: Duobond® + 77% AL Braid + AL Foil w/ Shorting Fold 4.6Ω/M'	Gas-injected Foam Polyethylene
Third party verified to TIA/EIA-568-B.2, Category 5e Coax sweep tested to 3.0 GHz and jacket sequentially marked. Coax shield effectiveness 125dB @ 1GHz is better than Quad shield.										5.1Ω/km	

Composite • (1) Cat 5 4-Pair UTP 24 AWG • (1) Series 6 Coax w/Duobond IV® Quad Shield**Polyolefin Insulation (Pairs) • Gas-injected FPE Insulation (Coax) • Overall Green F-R PVC Jacket**

Siamese Construction	7912A	NEC: CMR CEC: CMG FT4	500 1000	152.4 304.8	37.5 65.0	17.0 29.5	.297 x .543	7.54 x 13.79	(1) 4-Pair UTP Data Cables: Cat 5e 24 AWG (solid) BC Cond. (1583R style)	None	Polyolefin (see chart below)
									(1) Coax: Series 6 18 AWG (solid) BC Cond. (7916A style)	Duobond IV Quad Shield: 60% & 40% AL Braids 4.8Ω/M'	Gas-injected Foam Polyethylene
Third party verified to TIA/EIA-568-B.2, Category 5e Coax sweep tested to 3.0 GHz and jacket sequentially marked. Coax shield effectiveness 110dB @ 1GHz.										15.7Ω/km	

Composite • (1) Cat 5 4-Pair UTP 24 AWG • (1) Series 6 Coax w/Duobond II® Foil + Braid Shield**Polyolefin Insulation (Pairs) • Gas-injected Foam HDPE Insulation (Coax) • Overall Green F-R PVC Jacket**

Siamese Construction	7917A	NEC: CM CEC: CM	1000	304.8	55.0	25.0	.273 x .504	6.93 x 12.80	(1) 4-Pair UTP Data Cables: Cat 5e 24 AWG (solid) BC Cond. (1583R style)	None	Polyolefin (see chart below)
									(1) Coax: Series 6 18 AWG (solid) Bare Copper Cond.	Duobond II: Bonded Foil (100%) + AL Braid (57%) 9.0Ω/M'	Gas-injected Foam High-density Polyethylene
Third party verified to TIA/EIA-568-B.2, Category 5e Coax sweep tested to 3.0 GHz and jacket sequentially marked.										29.5Ω/km	

AL = Aluminum • BC = Bare Copper • DCR = DC Resistance • FPE = Foam Polyethylene • F-R = Flame-retardant • HDPE = High-Density Polyethylene • UTP = Unshielded Twisted Pair

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

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

Color Code: Cat 5e UTP

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

Composite Data, Audio, Video, Security and Control Cable

Keypad and Control Cables

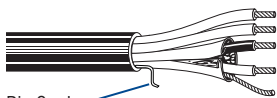
Category 5e Bonded-Pairs and Category 5

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Overall Nom. OD		Component Descriptions	Shielding Materials & Nom. DCR	Insulation Material & Color Code	Component Jacket Material & Colors	Component Nom. OD	
			Ft.	m	Lbs.	kg	Inch	mm					Inch	mm

Composite • (1) STP (Data) 22 AWG (7x30) TC Cond. w/Beldfoil®, Drain Wire • **(2) TC Conductors** (Power) 18 AWG (16x30) Unshielded

HDFPE Insulation (Data Pair) • **F-R PVC Insulation** (Power Cond.) • **F-R PVC Jacket** (Available in Black, White or Aqua)

300V 75°C	1502R	NEC: CMR CEC: CMG FT4	500 1000	152.4 304.8	20.0 44.0	9.1 20.0	.250 6.35		Data: (1) Twisted Pair 22 AWG (7x30) TC Cond.	Beldfoil® Shield (100%)	HDFPE Blue, White	F-R PVC	N/A	N/A
									(2) Power Cond.: 18 AWG (16x30) TC Cond.	None	FR-PVC Red, Black	—	N/A	N/A



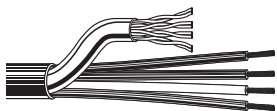
Rip Cord

Sequential footing marking every two feet.

Composite • (1) Cat 5e 4-Bonded-Pair UTP 24 AWG • **(4) 16 AWG Bare Copper Conductors** Stranded (19x29)

Polyolefin Insulation (Pairs) • **PVC Insulation** (Conductors) • **Overall Green F-R PVC Jacket**

	7949A	NEC: CMR CEC: CMG FT4	500 1000	152.4 304.8	54.5 99.0	24.7 44.9	.355 9.02		(1) 4-Pair UTP Data Cable: Bonded-Pairs 24 AWG (solid) BC Cond.	None	Polyolefin (see chart below)	F-R PVC (1) Blue	.200	5.08
									(4) Conductors: 16 AWG (19x29) BC Cond.	None	PVC Red, White, Green, Black	—	.079	2.01



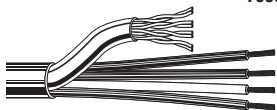
Jacket sequentially marked.

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

Composite • (1) Cat 5 4-Pair UTP 24 AWG • **(4) 16 AWG Bare Copper Conductors** Stranded (19x29)

Polyolefin Insulation (Pairs) • **PVC Insulation** (Conductors) • **Overall Green F-R PVC Jacket**

	7950A	NEC: CMR CEC: CMG FT4	500 1000	152.4 304.8	54.0 98.0	24.5 44.5	.390 9.91		(1) 4-Pair UTP Data Cable: 24 AWG (solid) BC Cond.	None	Polyolefin (see chart below)	F-R PVC (1) Blue	.195	4.95
									(4) Conductors: 16 AWG (19x29) BC Cond.	None	PVC Red, White, Green, Black	—	.079	2.01



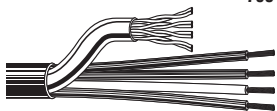
Jacket sequentially marked.

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

Composite • (1) Cat 5 4-Pair UTP 24 AWG • **(4) 18 AWG Bare Copper Conductors** Stranded (19x30)

Polyolefin Insulation (Pairs) • **PVC Insulation** (Conductors) • **Overall Green F-R PVC Jacket**

	7951A	NEC: CMR CEC: CMG FT4	500 1000	152.4 304.8	49.0 88.0	22.2 39.9	.407 10.34		(1) 4-Pair UTP Data Cable: 24 AWG (solid) BC Cond.	None	Polyolefin (see chart below)	F-R PVC (1) Blue	.195	4.95
									(4) Conductors: 18 AWG (19x30) BC Cond.	None	PVC Red, White, Green, Black	—	.066	1.68



Jacket sequentially marked.

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

Composite • (1) Cat 5 4-Pair UTP 24 AWG • **(4) 14 AWG Bare Copper Conductors** Stranded (19x26)

Polyolefin Insulation (Pairs) • **PVC Insulation** (Conductors) • **Overall Green F-R PVC Jacket**

Siamese Construction	7952A	NEC: CMR CEC: CMG FT4	500	152.4	58.0	26.3	.289 x .535	7.34 x 13.59	(1) 4-Pair UTP Data Cable: 24 AWG (solid) BC Cond.	None	Polyolefin (see chart below)	F-R PVC (1) Blue	.216	5.49
									(4) Conductors: 14 AWG (19x26) BC Cond.	None	PVC Red, White, Green, Black	—	.99	25.15



Jacket sequentially marked.

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

BC = Bare Copper • DCR = DC Resistance • F-R = Flame-retardant • HDFPE = High-density Foam Polyethylene • STP = Shielded Twisted Pair • TC = Tinned Copper • UTP = Unshielded Twisted Pair

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

Request quotations of cables not listed.

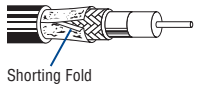
Color Code: Cat 5e UTP

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)**

 Shorting Fold	7915A	NEC:	U-500	U-152.4	16.5	7.5	18 AWG	.180	4.57	Duobond Plus®+	.275	6.99	75	83%	16.2	53.2	5	.5	1.6
		CATV CM	500	152.4	18.0	8.2	(solid)										55	1.4	4.6
		CEC:	U-1000	U-304.8	31.0	14.1	.040"			77% & 80%							211	2.6	8.5
		CM	1000	304.8	31.0	14.1	BC			Aluminum Braid							500	4.1	13.5
							6.4Ω/M'										750	5.1	16.7
							21.0Ω/km			15.1Ω/km							862	5.5	18.0

Sweep tested 5 MHz to 3.0 GHz.

Shielding effectiveness is 125dB @ 1GHz.

	7916A	NEC:	U-500	U-152.4	18.5	8.4	18 AWG	.180	4.57	Duobond IV*	.298	7.57	75	83%	16.2	53.2	5	.5	1.6
		CATV CM	500	152.4	19.5	8.9	(solid)			+							55	1.4	4.6
		CEC:	U-1000	U-304.8	35.0	15.9	.040"			60% & 40%							211	2.6	8.5
		CM	1000	304.8	35.0	15.9	BC			Aluminum Braids							500	4.1	13.5
							6.4Ω/M'			4.8Ω/M'							750	5.1	16.7
							21.0Ω/km			15.7Ω/km							862	5.5	18.0

Sweep tested 5 MHz to 3.0 GHz.

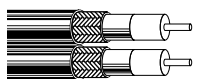
Shielding effectiveness is 125dB @ 1GHz.

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

	1829AC	NEC:	U-1000 [†]	U-304.8	29.0	13.2	18 AWG	.180	4.57	Duobond II + 60%	.270	6.86	75	83%	16.2	53.2	5	.5	1.6
		CATV CM	1000 ^{††}	304.8	30.0	13.6	(solid)			Aluminum Braid							55	1.4	4.6
		CEC:					.040"										211	2.6	8.5
		CM					BC			9.0Ω/M'							500	4.1	13.5
							6.4Ω/M'			29.5Ω/km							750	5.1	16.7
							21.0Ω/km										862	5.5	18.0

Sweep tested 950 MHz to 2.25 GHz.

[†]U-1000 ft. put-up not available in White.^{††}1000 ft. put-up not available in Gray.

	1841AC	NEC:	500	152.4	33.5	15.2	18 AWG	.180	4.57	Duobond II + 60%	.273	6.93	75	83%	16.2	53.2	5	.5	1.6
		CATV CM					(solid)			x	x						55	1.4	4.6
		CEC:					.040"			Aluminum Braid	.595	15.11					211	2.6	8.5
		CM					BC			9.0Ω/M'							500	4.1	13.5
							6.4Ω/M'			29.5Ω/km							750	5.1	16.7
							21.0Ω/km										862	5.5	18.0

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

	7916AP new	NEC:	U-1000	U-304.8	32.0	14.5	18 AWG	.170	4.32	Duobond IV*	.248	6.30	75	83%	16.3	53.5	1	.3	1.0
		CATV CMP	1000	304.8	31.0	14.1	(solid)			+							10	.7	2.2
		CEC:					.040"			60% & 40%							50	1.6	5.3
		CMP FT6					BC			Aluminum Braids							100	2.2	7.2
							6.4Ω/M'			4.8Ω/M'							200	3.0	9.8
							21.0Ω/km			15.7Ω/km							400	4.6	15.1

Sweep tested 5 MHz to 3 GHz.

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" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II* + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.2	See Chart on page 6.92		
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[▲]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" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.2	5 55 211 500 750 862 1000 1450 1800 2250 3000	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8 11.3	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2 37.1
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80°C	1829R new	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" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond II + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.270	6.86	75	83%	16.2	53.2	5 55 211 500 750 862 1000 1450 1800 2250 3000	.5 1.4 2.6 4.1 5.1 5.5 6.0 7.8 8.6 9.8 11.3	1.6 4.6 8.5 13.5 16.7 18.0 19.7 25.6 28.2 32.2 37.1
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^{*}U-1000 ft. put-up not available in Neutral.**Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket**

75°C	1829P new	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" BCCS 28.0Ω/M' 91.9Ω/km	.170	4.32	Duobond II + 60% Aluminum Braid 9.0Ω/M' 29.5Ω/km	.235	5.97	75	83%	16.3	53.5	1 10 50 100 200 400 700 900 1000 1450 1800 2250 3000	.3 .7 1.5 2.1 3.0 4.4 6.1 7.2 7.6 9.6 11.0 12.7 15.1	1.0 2.2 4.9 6.9 9.8 14.4 20.0 23.6 24.9 31.5 36.1 41.7 49.5
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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" BCCS 28.0Ω/M' 91.9Ω/km	.180	4.57	Duobond IV 60% & 40% Aluminum Braids 4.8Ω/M' 15.7Ω/km	.298	7.57	75	83%	16.2	53.2	See Chart on page 6.88		
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[▼]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" BCCS 28.0Ω/M' 91.9Ω/km	.170	4.32	Duobond IV 60% & 40% Aluminum Braids 4.8Ω/M' 15.7Ω/km	.248	6.30	75	83%	16.3	53.5	1 10 50 100 200 400 700 900 1000	.3 .7 1.6 2.2 3.0 4.6 6.6 7.7 8.2	1.0 2.2 5.2 7.2 9.8 15.1 21.7 25.3 26.9
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BCCS = Bare Copper-covered Steel • DCR = DC Resistance

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

* 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	.274	6.96	75	82%	16.2	53.2	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
																	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	.234	5.94	75	82%	16.2	53.2	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	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	1.386	35.20	75	82%	16.2	53.2	1	.2	.8
Digital Video		CMR:	1000	304.8	904.0	410.4	(solid)			+ 95%							3.6	.5	1.5
75°C		CEC:					.040"			TC Braid							10	.7	2.4
		CMG FT4					BC			3.0Ω/M'							71.5	1.6	5.2
							6.4Ω/M'			9.8Ω/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
																	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	.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	74.9	.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
																	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

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

Video Cable

Precision Video Cables for Analog and Digital Applications
Subminiature and Standard Analog 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
Subminiature RG-59/U Type • 23 AWG Solid .023" Bare Copper Conductor • Duofoil® (100% Coverage) + TC Braid Shield (95% Coverage)																			
Gas-injected Foam HDPE Insulation • PVC Jacket (Available in 10 colors)*																			
SDI/HDTV Digital Video 75°C	1855A 	NEC:	500 ▲	152.4	9.0	4.1	23 AWG	.102	2.59	Duofoil + 95%	.159	4.03	75	82%	16.3	53.5	1	.4	1.3
		CMR	1000	304.8	16.0	7.3	(solid)			TC Braid							3.6	.8	2.6
		CEC:					.023"			7.6Ω/M'							10	1.2	3.9
		CMG FT4					BC			24.9Ω/km							71.5	3.1	10.0
							20.1Ω/M'										135	3.8	12.5
							65.9Ω/km										270	5.4	17.7
																	360	6.2	20.3
																	540	7.7	25.3
																	720	9.5	31.1
																	750	9.6	31.5
																1000	10.5	34.4	
																1500	13.0	42.6	
																2250	16.0	52.5	
																3000	18.5	60.7	
																4500	22.8	74.8	
▲500 ft. put-up available in Black only.																			

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

Standard Analog • RG-59/U Type • 23 AWG Solid .023" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)

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
		CM					BC			2.9Ω/M'							100	3.4	11.2
							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 Outdoor applications.

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.

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

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 new	NEC: CMR CEC: CMG	3	500 [†] 1000 [†]	152.4 304.8	25.5 48.0	11.6 21.8	25 AWG (solid) .018" TC 34.0Ω/M' 111.6Ω/km	.074 Coax OD: .114	1.88 2.90	Duobond + 95% TC Braid 5.4Ω/M' 17.7Ω/km	.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
		1278R new	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: .114	1.88 2.90	same as above	.351	8.92							
		1279R new	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: .114	1.88 2.90	same as above	.403	10.24							
		1280R new	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: .114	1.88 2.90	same as above	.423	10.74							

100% Sweep tested. 5 MHz to 850 MHz.

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 new	NEC: CMP CEC: CMP FT6	1	1000	304.8	10.0	4.5	25 AWG (solid) .018" TC 31.8Ω/M' 104.3Ω/km	.074	1.88	Duobond (100%) + TC Braid 5.8Ω/M' 19.0Ω/km	.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

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.

Surveillance Coax

Coaxial and Composite Cables for Surveillance and CCTV Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Nominal DCR		Nominal Core OD		Nominal OD		Nom. Imp. (Ω)
			Ft.	m	Lbs.	kg	Conductor	Shielding	Inch	mm	Inch	mm	
Coaxial • RG-59/U Type • 20 AWG Solid Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)													
Foam Polyolefin Insulation • PVC Jacket (Available in Black or White)													
75°C	543945	NEC:	U-500	U-152.4	13.0	6.0	10.0Ω/M'	3.5Ω/M'	.145	3.68	.232	5.89	75
		CM	500	152.4	16.0	7.3	32.8Ω/km	11.5Ω/km					
		CEC:	U-1000	U-304.8	32.0	14.5							
		CM FT1	1000	304.8	34.0	15.4							

Jacket sequentially marked at 2 ft. intervals.

Composite • RG-59/U Type, 20 AWG Coax Solid BC Conductor • BC Braid Shield (95% Coverage) • **18 AWG** UTP Stranded (7x26) BC Conductor

Foam Polyolefin Insulation (Coax) • PVC Insulation (Pair, Color Code: Red, Black) • PVC Jacket (Available in Black or White)													
Siamese Configuration	549945	NEC:	500	152.4	30.0	13.6	Coax:	3.5Ω/M'	Coax OD:	.232	5.89	75	
75°C		CM	1000	304.8	60.0	27.3	10.0Ω/M'	11.5Ω/km	.145	3.68	x	x	
		CEC:					32.8Ω/km		Pair OD:	.460	11.68		
		CM FT1					Each Pair:		.046	1.17			
							6.5Ω/M'						
							21.3Ω/km						

Jacket sequentially marked at 2 ft. intervals.

Composite • RG-6/U Type, 18 AWG Coax Solid BC Conductor • BC Braid Shield (95% Coverage) • **18 AWG** UTP Stranded (7x26) BC Conductor

Foam Polyolefin Insulation (Coax) • PVC Insulation (Pair, Color Code: Red, Black) • Black PVC Jacket													
Siamese Configuration	539945	NEC:	500	152.4	34.0	15.5	Coax:	3.5Ω/M'	Coax OD:	.266	6.76	75	
75°C		CM	1000	304.8	69.0	31.3	10.0Ω/M'	11.5Ω/km	.180	4.57	x	x	
		CEC:					32.8Ω/km		Pair OD:	.500	12.70		
		CM FT1					Each Pair:		.066	1.68			
							6.5Ω/M'						
							21.3Ω/km						

Jacket sequentially marked at 2 ft. intervals.

BC = Bare Copper • DCR = DC Resistance • UTP = Unshielded Twisted Pair

For additional selection of Belden® Security and CCTV Cables, refer to the New Generation® and Coaxial Cables sections of this catalog.