

Special Application Audio, Communication and Instrumentation Cable

Audio Connecting Cables and Dual Channel Audio Cables



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

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

FPE Insulation • Chrome PVC Jacket

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

FPE Insulation • Chrome PVC Jacket

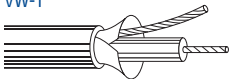
Low-Capacitance 80°C	8421	—	1	—	250	76.2	4.5	2.0	.051	1.30	.023	.58	.180	4.57	16	53
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24 AWG Uni-strand (7x32) Tinned Copper Conductor • Beldfoil Shield (100% Coverage)

Flame-retardant Polypropylene Insulation • Black PVC Jacket

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



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

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

FPE Insulation • Black PVC Jacket • Polarity Ribbed

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

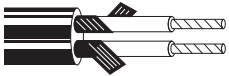


Stereo connecting cable

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

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

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



For use with head sets, stereo and language labs.

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

*Capacitance between conductors.

Special Application Audio, Communication and Instrumentation Cable

Microphone/Musical Instrument Cables



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

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

Polyethylene Insulation • Chrome PVC Jacket

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



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

Rubber Insulation • Black EPDM Rubber Jacket

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

EPDM = Ethylene Propylene Diene Monomer • TC = Tinned Copper

*Capacitance between conductors.

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

Standard Analog Video Cable

75 Ohm Miniature Coax

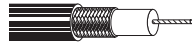


Belden standard video cables are typically used in non-critical video applications such as video equipment rack wiring, closed circuit TV (CCTV), master antenna TV (MATV) and color or monochrome video monitor hook-ups. Applications such as these do not require Precision Video coaxes which have extremely 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 TC 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 BCCS 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	NEC: CMR CEC: CMG	1	1000	304.8	8.0	3.6	25 AWG (solid) .018" TC	.074	1.88	Duobond (100%) + TC Braid	.114	2.90	75	80%	17.0	55.8	1	.5	1.7
								34.0Ω/M'			5.4Ω/M'							5	1.2	3.8
								111.6Ω/km			17.7Ω/km							50	3.7	12.1
																		100	4.9	16.1
																		200	6.7	22.0
																		400	9.5	31.2
																		700	13.4	44.0
																		900	15.0	49.2
																		1000	15.8	51.8
																		3000	31.2	102.4



Plenum • FPFA Insulation • Black Flamarrest® Jacket

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

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

Standard Analog Video Cable

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

Standard Analog Video Cable75 Ohm Coax
RG-59/U Type

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

23 AWG Solid .023" Bare Copper or Bare Copper-covered Steel Conductor • Bare Copper Braid Shield (95% Coverage)**Polyethylene Insulation • Black or Colored PVC Jacket ***

UL AWM Style 1354 (30V 75°C)	8241	NEC: CM	100	30.5	4.4	2.0	23 AWG	.146	3.71	BC Braid 95% Shield Coverage	.240	6.09	75	66%	20.5	67.3	1	.6	2.0
VW-1 300V RMS (UL)			U-500	U-152.4	19.5	8.8	(solid)										10	1.1	3.6
1700V RMS (non-UL)			500	152.4	18.5	8.4	.023"										50	2.4	7.9
			U-1000	U-304.8	38.0	17.2	BCCS			2.6Ω/M'							100	3.4	11.2
			1000	304.8	40.0	18.1	49.0Ω/M'			8.5Ω/km							200	4.9	16.1
			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



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

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

UL AWM Style 1354 (30V 75°C)	8241A	NEC: CMG	U-1000	U-304.8	40.0	18.1	23 AWG	.146	3.71	BC Braid 95% Shield Coverage	.242	6.15	75	66%	20.5	67.3	1	.6	2.0
300V RMS (UL)		CEC: CMG FT4	1000	304.8	42.0	19.0	(solid)										5	.9	3.0
							.023"										10	1.1	3.6
							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 Style 1354 (30V 80°C)	8241B	NEC: CM	U-1000	U-304.8	36.0	16.3	23 AWG	.146	3.71	BC Braid 95% Shield Coverage	.242	6.15	75	66%	20.5	67.3	1	.4	1.3
300V RMS (UL)		CEC: CM	1000	304.8	37.0	16.8	(solid)										10	1.1	3.6
1700V RMS (non-UL)							.023"										50	2.4	7.9
							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 Indoor and Outdoor applications.

22 AWG Stranded (7x30) .030" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)**Foam Polyethylene Insulation • PVC Jacket (Available in Matte Black, Red, Blue, Green, Yellow, White or Gray)**

High-Flex 60°C	8241F	—	1000	304.8	35.0	15.9	22 AWG	.146	3.71	BC Braid 95% Shield Coverage	.242	6.15	75	78%	17.3	56.8	1	.3	1.0
300V RMS (non-UL)							(7x30)										10	.9	3.0
							.030"										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: CMP	500	152.4	18.0	8.2	23 AWG	.132	3.35	BC Braid 97% Shield Coverage	.190	4.83	75	69.5%	19.5	64.0	1	.5	1.6
300V RMS (UL)		CEC: CMP FT6	1000	304.8	36.0	16.3	(solid)										10	1.0	3.3
1700V RMS (non-UL)							.023"										50	2.3	7.5
							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 Flammarrest® Jacket

60°C	82241	NEC: CMP	U-500	U-152.4	18.5	8.4	23 AWG	.134	3.40	BC Braid 97% Shield Coverage	.190	4.83	75	69.5%	19.5	64.0	1	.5	1.6
300V RMS (UL)		CEC: CMP FT6	U-1000	U-304.8	36.0	16.3	(solid)										10	1.0	3.3
1700V RMS 75°C (non-UL)			1000	304.8	34.0	15.4	.023"										50	2.3	7.5
							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.

Standard Analog Video Cable75 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

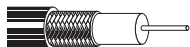


150V RMS (UL), 1700V RMS (non-UL)

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

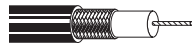
Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U cables not listed.

Standard Analog Video Cable75 Ohm Coax
RG-59/U Type

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

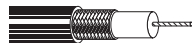
22 AWG Stranded (7x30) .030" Bare Copper Conductor • Bare Copper Braid Shield (95% Coverage)**Foam Polyethylene Insulation • Black PVC Jacket**

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

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

Plenum • Foam FEP Insulation • Black FEP Jacket

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

Plenum • Foam FEP Insulation • Natural Flamarrest® Jacket

75°C 300V RMS (UL)	82259	NEC: CMP CEC: CMP FT6	U-1000 1000	U-304.8 304.8	31.0 30.0	14.1 13.6	22 AWG (7x30) .030"	.135 3.43	3.43	BC Braid 95% Shield Coverage BC 2.6Ω/M' 8.5Ω/km	.193 4.90	4.90	75 78%	78%	17.3 56.7	56.7	1 10 50 100 200 400 700 900 1000	.3 .9 2.1 3.0 4.5 6.6 9.0 10.1 11.0	1.0 3.0 6.9 9.8 14.8 21.6 29.5 33.1 36.1
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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 Cable75 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	.6	2.0	
																		10	1.0	3.3
																		50	2.1	6.9
																		100	3.0	9.8
																		200	4.5	14.8
																		400	6.6	21.6
																		700	8.9	29.2
																		900	10.1	33.1
																		1000	10.9	35.8

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 (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.143	3.63	BC Braid 95% Shield Coverage 2.6Ω/M' 8.5Ω/km	.242	6.15	75	78%	17.3	56.7	1	.6	2.0	
																		10	1.0	3.3
																		50	2.1	6.9
																		100	3.0	9.8
																		200	4.5	14.8
																		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: CM CEC: CM	500	152.4	15.5	7.0	20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.143	3.63	BC Braid 95% Shield Coverage 3.5Ω/M' 11.5Ω/km	.240	6.10	75	82%	16.3	53.5	1	.6	2.0	
																		10	1.0	3.3
																		50	2.1	6.9
																		100	3.0	9.8
																		200	4.5	14.8
																		400	6.6	21.6
																		700	8.9	29.2
																		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: CM	U-1000	U-304.8	35.0	15.9	20 AWG (solid) .032" BC 10.0Ω/M' 32.8Ω/km	.145	3.68	BC Braid 95% Shield Coverage 2.6Ω/M' 8.5Ω/km	.242	6.15	75	83%	16.3	53.5	1	.3	1.0	
																		10	.9	3.0
																		50	1.9	6.2
																		100	2.6	8.5
																		200	3.6	11.8
																		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 CEC: CM	U-500	U-152.4	12.0	5.5	20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.144	3.66	Duofoil + 40% Aluminum Braid 17.0Ω/M' 55.8Ω/km	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.88			
																		100% Sweep tested. 5 MHz to 550 MHz.		
*U-1000 ft. put-up also available in White.																				
80°C	9100	NEC: CATV CM CEC: CM	U-500	U-152.4	12.0	5.5	20 AWG (solid) .032" BCCS 44.5Ω/M' 146.0Ω/km	.144	3.66	Duobond II + 40% Aluminum Braid 17.0Ω/M' 55.8Ω/km	.237	6.02	75	83%	16.2	53.1	See Chart on page 6.88			
																		100% Sweep tested. 5 MHz to 1 GHz.		
*U-1000 ft. put-up also available in White.																				

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.

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