




Broadband Coax

Headend/Video Cables

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-59/U Type • 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, Light Blue, White, Orange or Black)																			
80°C	8281	—	500 [▲]	152.4	37.5	17.0	20 AWG (solid)	.198	5.03	TC Double Braid	.305	7.75	75	66%	21.0	68.9	1	.3	1.0
			1000	304.8	74.0	33.6	.031"			98% Shield Coverage							3.6	.5	1.6
							BC										10.0	.8	2.6
							9.9Ω/M'										71.5	2.1	6.9
							32.5Ω/km										135	3.0	9.8
																	270	4.3	14.1
																	360	5.1	16.7
																	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. Max operating voltage — Non UL 2900V RMS																			
Flame-retardant Semi-foam Polyethylene Insulation • PVC Jacket (Available in 9 colors)*																			
UL AWM Style 1354 (30V 80°C)	8281B	NEC: CMR CEC: CMG FT4	1000	304.8	84.0	38.1	20 AWG (solid)	.198	5.03	TC Double Braid	.305	7.75	75	66%	21.0	68.9	1	.3	1.0
							.031"			98% Shield Coverage							3.6	.5	1.6
							BC										10.0	.8	2.6
							9.9Ω/M'										71.5	2.1	6.9
							32.5Ω/km										135	3.0	9.8
																	270	4.4	14.4
																	360	5.1	16.7
																	540	6.6	21.7
																	720	7.8	25.6
																	750	8.0	26.2
																	1000	10.2	33.5
*8281B available in Red, Orange, Yellow, Green, Blue, Purple, Gray, White 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 [▲]	152.4	34.5	15.7	22 AWG (7x29)	.198	5.03	TC Double Braid	.305	7.75	75	66%	21.0	68.9	1	.3	.9
			1000	304.8	67.0	30.4	.031"			98% Shield Coverage							3.6	.5	1.7
							BCC										10.0	.9	3.0
							12.2Ω/M'										71.5	2.5	8.2
							40.0Ω/km										135	3.6	11.8
																	270	5.1	16.7
																	360	6.0	19.7
																	540	7.4	24.3
																	720	8.7	28.5
																	750	8.9	29.2
																	1000	10.5	34.5

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

Max operating voltage — Non UL 2900V RMS

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

BC = Bare Copper • BCC = Bare Compacted Copper • DCR = DC Resistance • SPC = Silver-plated Copper • SPCCS = Silver-plated, Copper-covered Steel • 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

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

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

Polyethylene Insulation • Black PVC Jacket

UL AWM Style 1354 (30V 75°C) VW-1	8241	NEC: CM	100	30.5	4.4	2.0	23 AWG (solid) .023"	.146	3.71	BC Braid 95% Shield Coverage	.240	6.10	75	66%	20.5	67.3	1	.6	2.0
			U-500	U-152.4	19.5	8.9											10	1.1	3.6
			500	152.4	18.5	8.4											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, Yellow, Green, Lt. Blue, White or Orange.

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

UL AWM Style 1354 (30V 75°C)	8241A	NEC: CMG CEC: CMG FT4	U-1000	U-304.8	40.0	18.1	23 AWG (solid) .023"	.146	3.71	BC Braid 95% Shield Coverage	.242	6.15	75	66%	20.5	67.3	1	.6	2.0
			1000	304.8	42.0	19.1	BCCS			2.6Ω/M'							5	.9	3.0
							49.0Ω/M'			8.5Ω/km							10	1.1	3.6
							160.7Ω/km										50	2.4	7.9
																	100	3.4	11.2
																	200	4.9	16.1
																	400	7.0	23.0
																	700	10.1	33.1
																	900	11.7	38.4
																	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 CEC: CM	U-1000	U-304.8	36.0	16.3	23 AWG (solid) .023"	.146	3.71	BC Braid 95% Shield Coverage	.242	6.15	75	66%	20.5	67.3	1	.4	1.3
			1000	304.8	37.0	16.8	BC			2.9Ω/M'							10	1.1	3.6
							20.4Ω/M'			9.5Ω/km							50	2.4	7.9
							66.9Ω/km										100	3.4	11.2
																	200	4.9	16.1
																	400	7.0	23.0
																	700	9.7	31.8
																	900	11.1	36.4
																	1000	12.0	39.4

Suitable for Indoor and Outdoor applications.

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

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

High-Flex 60°C	8241F	—	1000	304.8	35.0	15.9	22 AWG (7x30) .030"	.146	3.71	BC Braid 95% Shield Coverage	.242	6.15	75	78%	17.3	56.8	1	.3	1.0
							BC			2.6Ω/M'							10	.9	3.0
							15.0Ω/M'			8.5Ω/km							50	2.1	6.9
							49.2Ω/km										100	3.0	9.8
																	200	4.5	14.8
																	400	6.6	21.7
																	700	8.9	29.2
																	900	10.1	33.1
																	1000	10.9	35.8

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

Plenum • FEP Insulation • Black FEP Jacket

200°C	88241	NEC: CMP CEC: CMP FT6	500 [†]	152.4	18.0	8.2	23 AWG (solid) .023"	.132	3.35	BC Braid 97% Shield Coverage	.190	4.83	75	69.5%	19.5	64.0	1	.5	1.6
			1000 [†]	304.8	36.0	16.3	BCCS			2.6Ω/M'							10	1.0	3.3
							49.0Ω/M'			8.5Ω/km							50	2.3	7.5
							160.7Ω/km										100	3.3	10.8
																	200	5.2	17.1
																	400	8.4	27.6
																	700	11.6	38.0
																	900	13.8	45.3
																	1000	14.8	48.6

Suitable for Outdoor and Direct Burial applications.

Plenum • FEP Insulation • Natural Flammarrest® Jacket

75°C	82241	NEC: CMP CEC: CMP FT6	U-500 [†]	U-152.4	18.5	8.4	23 AWG (solid) .023"	.134	3.35	BC Braid 97% Shield Coverage	.190	4.83	75	69.5%	19.5	64.0	1	.5	1.6
			U-1000 [†]	U-304.8	36.0	16.3	BCCS			2.6Ω/M'							10	1.0	3.3
			1000 [†]	304.8	34.0	15.4	49.0Ω/M'			8.5Ω/km							50	2.3	7.5
							160.7Ω/km										100	3.3	10.8
																	200	5.2	17.1
																	400	8.4	27.6
																	700	11.6	38.0
																	900	13.8	45.3
																	1000	14.8	48.6

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

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



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

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

Precision Video Cable for Analog and Digital

RG-59/U Type



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

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

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

SDI/HDTV	1505A	NEC:	500 [▲]	152.4	17.0	8.0	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	16.4	(solid)			+ 95%							3.6	.6	1.8
75°C		CEC:	5000 [▼]	1524.0	165.0	74.8	.032"			TC Braid							10	.9	2.9
		CMG FT4								BC	3.8Ω/M'						71.5	2.1	6.9
							10.0Ω/M'			12.5Ω/km							135	2.7	8.9
							32.8Ω/km										270	3.8	12.5
																	360	4.4	14.4
																	540	5.5	18.0
																	720	6.4	21.0
																	750	6.5	21.3
																	1000	7.6	24.9
																	1500	9.3	30.5
																	2250	11.6	38.0
																	3000	13.4	44.0

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

▼5000 ft. put-up may vary in length by -0 to +10%.

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

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, Orange, White or Purple)

High-Flex	1505F	NEC:	1000	304.8	45.0	20.4	22 AWG	.145	3.68	TC Double	.242	6.15	75	80%	17.0	55.7	1	.2	.7
SDI/HDTV		CM					(7x29)			Braid							3.6	.5	1.6
Video Patch		CEC:					.031"			95% Shield							10	.9	2.9
75°C		CM								BCC	3.8Ω/M'						71.5	2.5	8.2
							12.2Ω/M'			2.4Ω/M'							135	3.5	11.5
							40.0Ω/km			7.8Ω/km							270	5.1	16.7
																	360	6.0	19.7
																	540	7.4	24.3
																	720	8.7	28.5
																	750	8.9	29.2
																	1000	10.5	34.4
																	1500	13.3	43.6
																	2250	16.9	55.4
																	3000	20.3	66.6

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

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

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

SDI/HDTV	1506A	NEC:	500 ^{†*}	152.4	14.5	6.6	20 AWG	.133	3.38	Duofoil	.196	4.93	75	84%	16.1	52.8	1	.3	1.0
Digital Video		CMP:	1000 ^{†*}	304.8	29.0	13.2	(solid)			+ 95%							3.6	.6	2.0
75°C		CEC:					.032"			TC Braid							10	1.1	3.4
		CMPT FT6								BC	3.8Ω/M'						71.5	2.3	7.4
							10.0Ω/M'			10.5Ω/km							135	3.2	10.5
							32.8Ω/km										270	4.6	14.9
																	360	5.3	17.2
																	540	6.4	21.0
																	720	7.3	23.9
																	750	7.5	24.6
																	1000	9.4	30.8
																	1500	12.8	42.0
																	2250	17.5	57.4
																	3000	21.9	71.8

Suitable for Outdoor and Direct Burial applications.

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

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

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

Polyethylene Insulation • Gray PVC Jacket

60°C	9231	NEC:	500	152.4	39.0	17.7	20 AWG	.198	5.03	TC Double	.305	7.75	75	66%	21.0	68.9	1	.3	1.0
VW-1		CMH:	1000	304.8	76.0	34.5	(solid)			Braid							3.6	.5	1.6
		CEC:					.031"			98% Shield							10.0	.8	2.6
		CMH FT1								Coverage							71.5	2.0	6.6
							9.9Ω/M'			1.1Ω/M'							135	3.5	11.5
							32.5Ω/km			3.6Ω/km							270	4.3	14.1
																	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

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.

†Final put-up length may vary ±10% for spools or reels, ±5% for Unreel cartons from length shown.

Precision Video Cable for Analog and Digital

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) (continued)

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



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

Polyethylene Insulation • Polyethylene Jacket (Available in Red, Yellow, Green, Blue, White, Orange or Black)																			
80°C	8281	—	500 [▲]	152.4	37.5	17.8	20 AWG (solid)	.198	5.03	TC Double Braid	.305	7.75	75	66%	21.0	68.9	1	.3	.8
			1000	304.8	74.0	33.6	.031"			98% Shield Coverage							3.6	.5	1.8
							BC										10.0	.8	2.6
							9.9Ω/M'										71.5	2.1	6.9
							32.5Ω/km										135	3.0	9.8
																	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.



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

Flame-retardant Semi-foam Polyethylene Insulation • PVC Jacket (Available in 9 colors)*																			
UL AWM Style 1354 (30V 80°C)	8281B	NEC: CMR CEC: CMG FT4	1000	304.8	84.0	38.1	20 AWG (solid)	.198	5.03	TC Double Braid	.305	7.75	75	66%	21.0	68.9	1	.3	.8
							.031"			98% Shield Coverage							3.6	.5	1.8
							BC										10.0	.8	2.6
							9.9Ω/M'										71.5	2.1	6.9
							32.5Ω/km										135	3.0	9.8
																	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.



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 [*]	152.4	34.5	15.7	22 AWG (7x29)	.193	4.90	TC Double Braid	.305	7.75	75	66%	21.0	68.9	1	.3	.9
			1000	304.8	67.0	30.4	.031"			98% Shield Coverage							3.6	.5	1.7
							BCC										10.0	.9	2.9
							12.2Ω/M'										71.5	2.5	8.0
							40.0Ω/km										135	3.6	11.6
																	270	5.1	16.7
																	360	6.0	19.7
																	540	7.4	24.3
																	720	8.7	28.5
																	750	8.9	29.2
																	1000	10.5	34.4

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



20 AWG Solid .032" Bare Copper Conductor • Tinned Copper/Bare Copper Double Braid Shield (98% Coverage)

Plenum • FEP Insulation • Black Fluorocopolymer Jacket																			
150°C	88281	NEC: CMP CEC: CMP FT6	500	152.4	44.5	20.2	20 AWG (solid)	.185	4.70	TC Double Braid	.271	6.88	75	71%	19.0	62.4	1	.2	.7
			1000	304.8	86.0	39.1	.032"			98% Shield Coverage							3.6	.5	1.6
							BC										10.0	.8	2.6
							9.9Ω/M'										71.5	2.3	7.5
							32.5Ω/km										135	3.3	10.8
																	270	5.1	16.7
																	360	6.1	20.0
																	540	8.0	26.2
																	720	9.7	31.8
																	750	10.0	32.8
																	1000	12.3	40.3

Suitable for Outdoor and Direct Burial applications.

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.

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



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

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Bundled RGB Cable

Miniature and High-Flex 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.	dB/ 100m

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

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

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) .019" BC 41.5Ω/M' 136.0Ω/km	.090 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 50 100 200 400 700 900 1000	.6 1.3 1.8 3.1 3.9 5.4 7.5 10.4 13.5 15.2 15.9	2.0 4.3 5.9 10.2 12.8 17.7 24.6 34.1 44.3 49.9 52.2	
	1407B	—	4	1000	304.8	100.0	45.5	same as above	.090 Coax OD: .146	2.29 3.71	same as above	.455 11.56						700 900 1000	13.5 15.2 15.9	44.3 49.9 52.2	
	1417B	—	5	1000	304.8	110.0	49.9	same as above	.090 Coax OD: .146	2.29 3.71	same as above	.477 12.12									

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.

Color Code Chart

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

Video Triax Cable

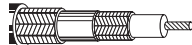
RG-59/U Type



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

22 AWG Stranded (19x34) .031" Bare Copper Conductor • Double Bare Copper Braid Shield (95% Coverage)**Foam Polyethylene Insulation • Belflex® Jacket** (Red, Yellow, Green, Blue, Purple or Black. Polyethylene Insulation between Braids)

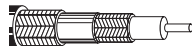
High-Flex 75°C	1857A	—	500	152.4	42.5	19.3	22 AWG (19x34) .031" BC 14.0Ω/M' 45.9Ω/km	.143	3.63	(2) BC Braids 95% Coverage Inner: 2.5Ω/M' 8.2Ω/km Outer: 1.6Ω/M' 5.3Ω/km	.360	9.14	75	79%	17.0	55.8	1	.3	1.0																							
			1000	304.8	86.0	39.1											3.6	.5	1.6	10	.8	2.6	71.5	2.2	7.2	135	3.1	10.2	270	4.5	14.8	360	5.4	17.7	540	6.8	22.3	720	8.1	26.6	750	8.4



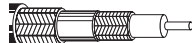
Suitable for Outdoor applications: Black for permanent installations, All colors for field deployable use.

20 AWG Solid .032" Bare Copper Conductor • Bare Copper Double Braid Shield (95% Coverage)**Plenum • Foam FEP Insulation • Black FEP Jacket** (FEP Insulation between Braids)

200°C 75°C	88232	NEC: CMP CEC: CMP FT6	500	152.4	29.0	13.2	20 AWG (solid) .032" BC 10.0Ω/M' 32.8Ω/km	.140	3.56	(2) BC Braids 95% Coverage Inner: BC 2.6Ω/M' 8.5Ω/km Outer: 2.6Ω/M' 8.5Ω/km	.245	6.22	75	80%	16.9	55.4	1	.4	1.3																							
			1000	304.8	61.0	27.7											3.6	.6	2.0	10	.8	2.6	71.5	2.2	7.2	135	3.1	10.2	270	4.5	14.8	360	5.3	17.4	540	6.6	21.7	720	7.7	25.3	750	7.9

**20 AWG** Solid .032" Bare Copper Conductor • Bare Copper Double Braid Shield (80% Coverage)**Gas-injected Foam HDPE Insulation • Black Polyethylene Jacket** (Polyethylene Insulation between Braids)

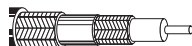
80°C	8232	—	500	152.4	31.0	14.1	20 AWG (solid) .032" BC 10.0Ω/M' 32.8Ω/km	.145	3.68	(2) BC Braids 80% Coverage Inner: BC 2.5Ω/M' 8.2Ω/km Outer: 2.8Ω/M' 9.2Ω/km	.315	8.00	75	83%	16.2	53.1	1	.3	1.0																							
			1000	304.8	60.0	27.3											3.6	.6	2.0	10	.9	3.0	71.5	2.1	6.9	135	3.0	9.8	270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



Suitable for Outdoor and Direct Burial applications. Suitable for Aerial applications when supported by a Messenger wire.

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

75°C	8232A	NEC: CMR CEC: CMG FT4	1000	304.8	68.0	30.8	20 AWG (solid) .032" BC 10.0Ω/M' 32.8Ω/km	.145	3.68	(2) BC Braids 80% Coverage Inner: BC 2.5Ω/M' 8.2Ω/km Outer: 2.8Ω/M' 9.2Ω/km	.315	8.00	75	83%	16.2	53.1	1	.3	1.0																			
			3.6	.6	2.0	10											.9	3.0	71.5	2.1	6.9	135	3.0	9.8	270	4.2	13.8	360	4.8	15.7	540	5.9	19.4	720	7.0	23.0	750	7.1



Suitable for Aerial applications when supported by a Messenger wire and for Outdoor 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.

Video Triax Cable

RG-11/U Type 75 Ohms



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	36.8	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	71.8	.064"	BC Inner: 3.1Ω/M' 10.2Ω/km	1.8Ω/M' 5.9Ω/km	100% Sweep tested. 5 MHz to 850 MHz.	3.6	.3	1.0	10	.5	1.6	71.5	1.2	3.9	135	1.8	5.9	
																		270	2.6	8.5				
																			360	3.1	10.2			
																				540	3.9	12.8		
																					720	4.7	15.4	
																						750	4.8	15.7
																						1000	5.7	18.7

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	.3					
				1000	304.8	134.0	60.9	.064"	BC Inner: 3.1Ω/M' 10.2Ω/km	1.4Ω/M' 4.6Ω/km	100% Sweep tested. 5 MHz to 850 MHz.	3.6	.2	.7	10	.5	1.6	71.5	1.3	4.3	135	1.9	6.2		
																					270	3.0	9.8		
																						360	3.6	11.8	
																						540	4.5	14.8	
																							720	5.4	17.7
																							750	5.6	18.4
																							1000	6.6	21.7

Suitable for Outdoor and Direct Burial applications and Aerial 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						
																							3.6	.3	1.0	
																						10	.5	1.6		
																						71.5	1.2	3.9		
																						135	1.8	5.9		
																							270	2.6	8.5	
																								360	3.1	10.2
																								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	19.3	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"	BC Inner: 3.1Ω/M' 10.2Ω/km	1.6Ω/M' 5.3Ω/km	100% Sweep tested. 5 MHz to 850 MHz.	3.6	.3	1.0	10	.5	1.6	71.5	1.2	3.9	135	1.8	5.9				
																							270	2.6	8.5		
																								360	3.1	10.2	
																								540	3.9	12.8	
																									720	4.7	15.4
																									750	4.8	15.7
																									1000	5.7	18.7

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.

Teflon is a DuPont trademark.
Hypalon is a DuPont trademark.



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

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


50 Ohm Transmission and Computer Cable

RG-8/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-8/U Type • 10 AWG Solid .108" Bare Copper Conductor • Duobond® II + Tinned Copper Braid Shield (90% Coverage)

Semi-solid Polyethylene Insulation • Black PVC Jacket

Low Loss 80°C 	9913	—	100	30.5	14.2	6.4	10 AWG	.286	7.26	Duobond II*	.405	10.29	50	84%	24.6	80.7	1	.3	1.0		
			250	76.2	31.8	14.4	(solid)		+ 90%									10	.5	1.7	
			500	152.4	57.0	25.9	.108"		TC Braid										50	1.0	3.3
			1000	304.8	116.0	52.6	BC	1.8Ω/M'	5.9Ω/km	For Plenum version of 9913, see 89913.	100	1.4	4.6								
											200	1.8	6.0								
400	2.6	8.5																			
700	3.6	11.8																			
900	4.1	13.5																			
1000	4.4	14.4																			
4000	9.5	31.1																			


Suitable for Outdoor and Aerial applications.

Plenum • Semi-solid FEP Insulation • Black Fluorocopolymer Jacket

150°C 	89913	NEC: CMP CEC: CMP FT6	500†	152.4	63.0	28.6	10 AWG	.295	7.49	Duobond II*	.364	9.25	50	83%	25.0	82.0	1	.1	.3		
			1000†	304.8	128.0	58.2	(solid)		+ 90%										10	.4	1.3
			50	1.0	3.3																
			100	1.6	5.2																
			200	2.3	7.5																
400	3.4	11.1																			
700	5.0	16.4																			
900	6.0	19.7																			
1000	6.9	22.6																			
4000	17.0	55.8																			

RG-8/U Type • 10 AWG Stranded (7x19) .108" Bare Copper Conductor • Duobond II + Tinned Copper Braid Shield (95% Coverage)


Gas-injected Foam HDPE Insulation • Matte Black Belflex® Jacket

Low Loss High-Flex 80°C 	9913F7	—	100	30.5	12.5	5.7	10 AWG	.285	7.24	Duobond II*	.405	10.29	52	85%	22.5	80.7	1	.4	1.3			
			250	76.2	27.8	12.6	(7x19)		+ 95% TC										10	.6	2.0	
			500	152.4	52.5	23.8	.108"		Braid											50	1.1	3.6
			1000	304.8	104.0	47.2	BC	1.8Ω/M'	5.9Ω/km	100	1.5	4.9										
										200	2.0	6.6										
400	3.0	9.8																				
700	4.0	13.1																				
900	4.7	15.4																				
1000	5.0	16.4																				
4000	12.1	39.7																				

Suitable for Outdoor and Aerial applications.

RG-8/U Type • 10 AWG Solid .103" Bare Copper Conductor • Duobond II + Tinned Copper Braid Shield (95% Coverage)

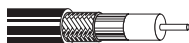
Gas-injected Foam HDPE Insulation • Black PVC Jacket

Low Loss UL AWM Style 1354 (30V 80°C) 	9914	NEC: CMG CEC: CMG FT4	500	152.4	56.0	25.4	10 AWG	.285	7.24	Duobond II*	.403	10.24	50	82%	24.8	81.4	1	.4	1.3			
			1000	304.8	114.0	51.7	(solid)		+ 95%											10	.5	1.7
			50	1.0	3.3																	
			100	1.4	4.6																	
			200	1.8	6.0																	
400	2.6	8.5																				
700	3.6	11.8																				
900	4.1	13.5																				
1000	4.4	14.4																				
4000	9.9	32.5																				

Suitable for Outdoor and Aerial applications.

RG-8/U Type • 10 AWG Solid .108" Bare Copper Conductor • Duofoil® (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)

Plenum • Foam FEP Insulation • Black Fluorocopolymer Jacket

Low Loss 125°C 	7733A	NEC: CMP CEC: CMP FT6	500	152.4	53.5	24.3	10 AWG	.280	7.11	Duofoil	.355	9.01	50	84%	24.2	79.4	1	.1	.3			
			1000	304.8	105.0	47.7	(solid)		+ 90%											10	.4	1.3
			50	1.1	3.6																	
			100	1.5	4.9																	
			200	2.1	6.9																	
400	3.2	10.5																				
700	4.5	14.8																				
900	5.7	18.7																				
1000	5.9	19.4																				
4000	14.1	46.3																				

Suitable for Outdoor and Aerial 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.

*Duobond II = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage).

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