

Brilliance VideoFLEX® Snake Cable for Precision Analog and Digital Video

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) + TC 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 (1855A Bundled)		7787A	NEC: 3	500	152.4	47.5	21.6	23 AWG (solid)	.102	2.55	Duofoil + 95%	.432	10.97	75	83%	16.5	54.1	1	1.3			
			CMR	1000	304.8	94.0	42.7		Coax OD: .159	4.03	TC Braid								3.6	.8	2.6	
			CEC: CMG FT4						.023"			7.6Ω/M'								10	1.2	3.9
									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	9.1	29.8
																				750	9.5	31.2
																				1000	10.5	34.4
																				1500	13.0	42.6
																		2500	16.9	55.4		
																		3000	18.5	60.7		
		7788A	NEC: 4	1000	304.8	110.0	49.9	same as above	.102	2.55	same as above	.481	12.22									
			CMR						Coax OD: .159	4.03												
			CEC: CMG FT4																			
		7789A	NEC: 5	500	152.4	73.0	33.1	same as above	.102	2.55	same as above	.539	13.69									
			CMR	1000	304.8	142.0	64.4		Coax OD: .159	4.03												
			CEC: CMG FT4																			
		7790A	NEC: 6	500	152.4	88.5	40.2	same as above	.102	2.55	same as above	.597	15.16									
			CMR	1000	304.8	176.0	79.9		Coax OD: .159	4.03												
			CEC: CMG FT4																			
		7791A	NEC: 10	500	152.4	155.5	70.5	same as above	.102	2.55	same as above	.796	20.22									
			CMR	1000	304.8	304.0	137.9		Coax OD: .159	4.03												
			CEC: CMG FT4																			
		7792A	NEC: 12	500	152.4	178.5	80.7	same as above	.102	2.55	same as above	.825	20.96									
			CMR	1000	304.8	367.0	166.5		Coax OD: .159	4.03												
			CEC: CMG FT4																			

Sweep tested 5 MHz to 3 GHz.

RG-59/U Type • 23 AWG Solid .032" Bare Copper Conductors • Duofoil (100% Coverage) + TC 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 (1505A Bundled)		7794A	NEC: 3	500	152.4	94.5	43.0	23 AWG (solid)	.145	3.68	Duofoil + 95%	.631	16.03	75	83%	16.3	53.1	1	1.0			
			CMR	1000	304.8	187.0	84.8		Coax OD: .235	5.97	TC Braid								3.6	.6	1.8	
			CEC: CMG FT4						.032"			3.8Ω/M'								10	.9	2.9
									BC			12.5Ω/km								71.5	2.1	6.9
									10.0Ω/M'											135	2.7	8.9
									32.8Ω/km											270	3.8	12.5
																				360	4.4	14.4
																				540	5.5	18.0
																				720	6.4	21.0
																				750	6.5	21.3
																				1000	7.6	24.9
																				1500	9.3	30.5
																		2500	12.4	40.7		
																		3000	13.8	45.3		
		7795A	NEC: 4	500	152.4	116.5	53.0	same as above	.145	3.68	same as above	.706	17.93									
			CMR	1000	304.8	237.0	107.7		Coax OD: .235	5.97												
			CEC: CMG FT4																			
		7796A	NEC: 5	500	152.4	153.0	69.4	same as above	.145	3.68	same as above	.790	20.07									
			CMR	1000	304.8	299.0	135.6		Coax OD: .235	5.97												
			CEC: CMG FT4																			
		7798A	NEC: 10	500	152.4	319.5	145.2	same as above	.145	3.68	same as above	1.166	29.62									
			CMR	1000	304.8	625.0	284.1		Coax OD: .235	5.97												
			CEC: CMG FT4																			

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



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

Brilliance VideoFLEX® Snake Cable for Precision Analog and Digital Video RG-6/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.

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

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

	300V RMS 1283S3 <small>new</small>	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			10.0Ω/M'								71.5	2.1	6.9
								32.8Ω/km			12.5Ω/km								135	2.7	8.9
																			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	9.4	30.8	
																		2500	12.4	40.7	
																		3000	13.8	45.3	

Sweep tested. 5 MHz to 3 GHz.
U.S. Patent 7,049,523

Suitable for Indoor and Outdoor applications.

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

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

	SDI/HDTV Digital Video 75°C (1694A Bundled)	7710A	NEC:	3	500	152.4	137.5	62.4	18 AWG	.180	4.57	Duofoil	.770	19.56	75	82%	16.2	53.1	1	.2	.8	
			CMR:		1000	304.8	285.0	129.3	(solid)			Coax OD: + 95%								3.6	.5	1.5
			CEC:						.040"			.275	6.99	TC Braid						10	.7	2.4
								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	10.6	35.0		

Sweep tested 5 MHz to 3 GHz.

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

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**. Request quotations of RG/U 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



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