

# 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) .023" BC	.102	2.55	Duofoil + 95% TC Braid 7.6Ω/M' 24.9Ω/km	.432	10.97	75	83%	16.5	54.1	1	.4	1.3																									
		CEC:		1000	304.8	94.0	42.7		Coax OD: .159	4.03		3.6	.8			2.6	10	1.2	3.9	71.5	3.1	10.0	135	3.8	12.5	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
		CMR:						same	.102	2.55	same	.481	12.22																																
		CEC:						as	Coax OD: .159	4.03	as																																		
		CMG FT4						above			above																																		
	7788A	NEC:	4	1000	304.8	110.0	49.9	same	.102	2.55	same	.539	13.69																																
		CMR:						as	Coax OD: .159	4.03	as																																		
		CEC:						above			above																																		
		CMG FT4						above			above																																		
	7789A	NEC:	5	500	152.4	73.0	33.1	same	.102	2.55	same	.597	15.16																																
		CMR:		1000	304.8	142.0	64.4	as	Coax OD: .159	4.03	as																																		
		CEC:						above			above																																		
		CMG FT4						above			above																																		
	7790A	NEC:	6	500	152.4	88.5	40.2	same	.102	2.55	same	.796	20.22																																
		CMR:		1000	304.8	176.0	79.9	as	Coax OD: .159	4.03	as																																		
		CEC:						above			above																																		
		CMG FT4						above			above																																		
	7791A	NEC:	10	500	152.4	155.5	70.5	same	.102	2.55	same	.825	20.96																																
		CMR:		1000	304.8	304.0	137.9	as	Coax OD: .159	4.03	as																																		
		CEC:						above			above																																		
		CMG FT4						above			above																																		
	7792A	NEC:	12	500	152.4	178.5	80.7	same	.102	2.55	same																																		
		CMR:		1000	304.8	367.0	166.5	as	Coax OD: .159	4.03	as																																		
		CEC:						above			above																																		
		CMG FT4						above			above																																		

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) .032" BC	.145	3.68	Duofoil + 95% TC Braid 3.8Ω/M' 12.5Ω/km	.631	16.03	75	83%	16.3	53.1	1	.3	1.0																									
		CEC:		1000	304.8	187.0	84.8		Coax OD: .235	5.97		3.6	.6			1.8	10	.9	2.9	71.5	2.1	6.9	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	9.3
		CMR:						same	.145	3.68	same	.706	17.93																																
		CEC:						as	Coax OD: .235	5.97	as																																		
		CMG FT4						above			above																																		
	7795A	NEC:	4	500	152.4	116.5	53.0	same	.145	3.68	same	.790	20.07																																
		CMR:		1000	304.8	237.0	107.7	as	Coax OD: .235	5.97	as																																		
		CEC:						above			above																																		
		CMG FT4						above			above																																		
	7796A	NEC:	5	500	152.4	153.0	69.4	same	.145	3.68	same	1.166	29.62																																
		CMR:		1000	304.8	299.0	135.6	as	Coax OD: .235	5.97	as																																		
		CEC:						above			above																																		
		CMG FT4						above			above																																		
	7798A	NEC:	10	500	152.4	319.5	145.2	same	.145	3.68	same																																		
		CMR:		1000	304.8	625.0	284.1	as	Coax OD: .235	5.97	as																																		
		CEC:						above			above																																		
		CMG FT4						above			above																																		

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](http://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](http://www.belden.com)

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / [www.CableCon.co.kr](http://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.	dB/ 100m

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

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

	300V RMS	<b>1283S3</b> <small>new</small>	NEC: CMP: CEC: CMP	3	250 500 1000	76.2 152.4 304.8	26.3 54.0 103.0	11.9 24.5 46.7	20 AWG (solid) .032"	.133	3.38	Duofoil (95%) + TC Braid 3.8Ω/M' 12.5Ω/km	.422	10.72	75	83%	16.2	53.1	1	.3	1.0	
									10.0Ω/M' 32.8Ω/km										3.6	.6	2.0	
																				10	.9	2.9
																				71.5	2.1	6.9
																				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)	<b>7710A</b>	NEC: CMR: CEC: CMG FT4	3	500 1000	152.4 304.8	137.5 285.0	62.4 129.3	18 AWG (solid) .040"	.180	4.57	Duofoil (95%) + TC Braid 3.0Ω/M' 9.8Ω/km	.770	19.56	75	82%	16.2	53.1	1	.2	.8
									Coax OD: .275	6.99									3.6	.5	1.5
																			10	.7	2.4
																			71.5	1.6	5.2
																			135	2.1	6.9
																			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](http://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](http://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)	<b>7787A</b>	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
	<b>7788A</b>	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					750 1000 1500 2500 3000	9.5 10.5 13.0 16.9 18.5	31.2 34.4 42.6 55.4 60.7
	<b>7789A</b>	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							
	<b>7790A</b>	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							
	<b>7791A</b>	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							
	<b>7792A</b>	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.

**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)	<b>7794A</b>	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
	<b>7795A</b>	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							
	<b>7796A</b>	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							
	<b>7798A</b>	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.

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

See Connector Reference Guide at [www.belden.com](http://www.belden.com) for connector recommendations.

### Color Code Chart

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