

Precision Video Cable for Analog and DigitalRG-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	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	74.8	.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.

◆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	1506A	NEC:	500 [▼]	152.4	14.5	6.6	20 AWG	.133	3.38	Duofoil	.196	4.98	75	84%	16.1	52.8	1	.3	1.0
Digital Video		CMR	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			3.2Ω/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	

*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	8281F	—	500 [▲]	152.4	34.5	15.7	22 AWG	.198	4.90	TC Double	.305	7.75	75	66%	21.0	68.9	1	.3	.9
SDI/HDTV			1000	304.8	67.0	30.4	(7x29)			Braid							3.6	.5	1.7
60°C							.031"			98% Shield							10.0	.9	2.9
							BCC			Coverage							71.5	2.5	8.0
						12.2Ω/M'			1.7Ω/M'							135	3.6	11.6	
						40.0Ω/km			5.6Ω/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	

*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	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			Coverage							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.

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.

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

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