

# 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	<b>1505A</b>	NEC:	500 <sup>▲</sup>	152.4	17.0	8.0	20 AWG (solid)	.145	3.68	Duofoil + 95%	.233	5.92	75	83%	16.3	53.5	1	.3	1.0
Digital Video		CMR:	1000	304.8	35.0	16.4			TC Braid								3.6	.6	1.8
75°C		CEC:	5000 <sup>▼</sup>	1524.0	165.0	74.8	.032"		BC								10	.9	2.9
		CMG FT4							10.0Ω/M'		12.5Ω/km							71.5	2.1
								32.8Ω/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	9.3	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	<b>1505F</b>	NEC:	1000	304.8	45.0	20.4	22 AWG (7x29)	.145	3.68	TC Double Braid	.242	6.15	75	80%	17.0	55.7	1	.2	.7
SDI/HDTV		CM							95% Shield								3.6	.5	1.6
Video Patch		CEC:					.031"		BCC Coverage								10	.9	2.9
75°C		CM							12.2Ω/M'		2.4Ω/M'						71.5	2.5	8.2
								40.0Ω/km		7.8Ω/km							135	3.5	11.5
																	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	<b>1506A</b>	NEC:	500 <sup>†*</sup>	152.4	14.5	6.6	20 AWG (solid)	.133	3.38	Duofoil + 95%	.196	4.93	75	84%	16.1	52.8	1	.3	1.0
Digital Video		CMR:	1000 <sup>†*</sup>	304.8	29.0	13.2			TC Braid								3.6	.6	2.0
75°C		CEC:					.032"		BC								10	1.1	3.4
		CMR FT6							10.0Ω/M'		10.5Ω/km						71.5	2.3	7.4
								32.8Ω/km									135	3.2	10.5
																	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	<b>9231</b>	NEC:	500	152.4	39.0	17.7	20 AWG (solid)	.198	5.03	TC Double Braid	.305	7.75	75	66%	21.0	68.9	1	.3	1.0
VW-1		CMH:	1000	304.8	76.0	34.5			98% Shield								3.6	.5	1.6
		CEC:					.031"		BC Coverage								10.0	.8	2.6
		CMH FT1							9.9Ω/M'		1.1Ω/M'						71.5	2.0	6.6
								32.5Ω/km		3.6Ω/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

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.