

## Video Cable

Precision Video Cables for Analog and Digital Applications

RG-6/U and RG-59/U Types

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-6/U Type • 18 AWG Solid .040" 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	1694A	NEC:	500 <sup>▲</sup>	152.4	20.5	9.3	18 AWG	.180	4.57	Duofoil + 95%	.274	6.96	75	82%	16.2	53.2	1	.2	.8
Digital Video		CMR	1000	304.8	45.0	20.5	(solid)			TC Braid							3.6	.5	1.5
75°C		CEC:	4500	1371.6	202.5	91.9	.040"			BC	2.8Ω/M'						10	.7	2.4
		CMG FT4					6.4Ω/M'			9.2Ω/km							71.5	1.6	5.2
							21.0Ω/km				For Plenum version of 1694A, see 1695A.						135	2.1	6.9
											Also available in bundled versions. See 7710A through 7713A.						270	3.0	9.7
											100% Sweep tested. 5 MHz to 3 GHz.						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
																	2250	9.1	30.0
																	3000	10.7	35.0
																	4500	13.3	43.6

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

\*Available in Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or White.  
Black jacket suitable for Outdoor and Aerial applications.

**Plenum • Foam FEP Teflon® Insulation • Flamarrest® Jacket (Available in 10 colors)\*\***

SDI/HDTV	1695A	NEC:	500 <sup>▲</sup>	152.4	20.5	9.3	18 AWG	.170	4.32	Duofoil + 95%	.234	5.94	75	82%	16.2	53.2	1	.2	.8
Digital Video		CMR	1000 <sup>†</sup>	304.8	45.0	20.5	(solid)			TC Braid							3.6	.5	1.5
75°C		CEC:					.040"			BC	2.8Ω/M'						10	.8	2.5
		CMG FT6					6.4Ω/M'			9.2Ω/km							71.5	1.8	5.8
							21.0Ω/km				100% Sweep tested. 5 MHz to 3 GHz.						135	2.4	7.9
																	270	3.4	11.2
																	360	4.0	13.1
																	540	5.2	17.1
																	720	6.1	20.0
																	750	6.2	20.3
																	1000	7.3	24.0
																	1500	9.2	30.2
																	2250	11.6	38.0
																	3000	13.7	44.9

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

\*\*Available in Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray or Natural.  
Black jacket suitable for Outdoor and Aerial applications.

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

SDI/HDTV	7713A	NEC:	500	152.4	463.0	210.0	18 AWG	.180	4.57	Duofoil + 95%	1.386	35.20	75	82%	16.2	53.2	1	.2	.8
Digital Video		CMR	1000	304.8	904.0	410.4	(solid)			TC Braid							3.6	.5	1.5
75°C		CEC:					.040"			BC	3.0Ω/M'						10	.7	2.4
		(1694A Bundled)	CMG FT4				6.4Ω/M'			9.8Ω/km							71.5	1.6	5.2
							21.0Ω/km				7713A has ten conductors. For other bundled versions of 1694A see 7710A through 7712A.						135	2.1	6.9
											100% Sweep tested. 5 MHz to 3 GHz.						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	10.7	35.0

**RG-59/U Type • 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 <sup>▼</sup>	152.4	15.5	7.0	20 AWG	.145	3.68	Duofoil + 95%	.233	5.92	75	83%	16.3	53.5	1	.3	1.0
Digital Video		CMR	1000 <sup>▲</sup>	304.8	35.0	15.9	(solid)			TC Braid							3.6	.6	1.8
75°C		CEC:	5000 <sup>+</sup>	1524.0	165.0	74.9	.032"			BC	3.8Ω/M'						10	.9	2.9
		CMG FT4					10.0Ω/M'			12.5Ω/km							71.5	2.1	6.9
							32.8Ω/km				For Plenum version of 1505A, see 1506A.						135	2.7	8.9
											Also available in bundled versions. See 7794A through 7798A.						270	3.8	12.5
											100% Sweep tested. 5 MHz to 3 GHz.						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
																	4500	16.4	53.8

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

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

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 RG/U cables not listed. For additional selection of Belden® Video Cables, refer to the Coaxial and Broadcast Cables sections of this catalog.

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

Teflon is a DuPont trademark.

### 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