






Standard Analog Video Cables

75 Ohm Coax



De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material 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/ 100 m	
23 AWG • Solid 0.6 mm Copper-Covered Steel Conductor • 95 % Bare Copper Braid																				
Polyethylene Insulation • Black PVC Jacket																				
30V RMS	8241	NEC:	100	31	4.4	2.0	0.58 mm	0.146	3.71	95% BC	0.240	6.10	75	66%	20.5	67.3	1	0.6	2.0	
75°C		CM	U-500	U-152	19.5	8.8	23 AWG			Braid							10	1.1	3.6	
UL AWM Style 1354, VW1		CEC:	500	152	18.5	8.4	Solid CCS			8.5 Ω/km***							50	2.4	7.9	
			U-1000	U-305	38.0	17.2	169.2 Ω/km*										100	3.4	11.2	
			1000	305	40.0	18.1	160.7 Ω/km**										200	4.9	16.1	
0.6/3.7			2000	610	80.0	36.3											400	7.0	23.0	
RG-59/U Typ			5000	1524	200.0	90.7											700	9.7	31.8	
																	900	11.1	36.4	
																	1000	12.0	39.4	
U-305 m put-up also available in Red, Yellow, Green, Light Blue, White, Orange and Black.								Nominal Delay: 5.053 ns/m Pulling Tension: 276 N												
22 AWG • Stranded (7x30) 0.8 mm Bare Copper Conductor • 95 % Bare Copper Braid																				
Polyethylene Insulation • Black PVC Jacket																				
30V RMS	9259	NEC:	100	31	4.1	1.9	0.76 mm	0.146	3.71	95% BC	0.241	6.12	75	78%	17.3	56.7	1	0.3	1.0	
80°C		CM	U-500	U-152	18.1	8.2	22 AWG			Braid							10	0.9	3.0	
UL AWM Style 1354		CEC:	500	152	16.6	7.5	(7x30) BC			8.5 Ω/km***							50	2.1	6.9	
		CM	U-1000	U-305	35.0	15.9	57.7 Ω/km*										100	3.0	9.8	
			1000	305	37.0	16.8	49.2 Ω/km**										200	4.5	14.8	
0.7/3.7																	400	6.6	21.7	
																	700	8.9	29.2	
																	900	10.1	33.1	
																	1000	10.9	35.8	
For CCTV applications.								Nominal Delay: 5.053 ns/m Pulling Tension: 275 N												
20 AWG • Solid 0.8 mm Bare Copper • 98 % Tinned Copper Double Braid																				
Polyethylene Insulation • Polyethylene Jacket (Red, Yellow, Green, Light Blue, White, Orange and Black)																				
80°C	8281		500	152	37.5	17.0	0.81 mm	0.198	5.03	Double Braid	0.305	7.75	75	66%	21.0	68.9	1	0.3	1.0	
			1000	305	74.0	33.6	20 AWG			98% TC							3.6	0.5	1.6	
							Solid BC			3.6 Ω/km***							10	0.8	2.6	
							36.1 Ω/km*										71.5	2.1	6.9	
0.8/5.0							32.5 Ω/km**										135	3.0	9.8	
RG-59/U Type																	270	4.3	14.1	
																	360	5.1	16.7	
																	540	6.3	20.7	
																	720	7.4	24.3	
																	750	7.6	24.9	
																	1000	9.2	30.2	
152 m put-up not available in White.								Nominal Delay: 5.053 ns/m Pulling Tension: 515 N												
18 AWG • Solid 1.0 mm Bare Copper • Duofoil® • 60 % Tinned Copper Braid																				
Gas-Injected Foam HDPE Insulation • Black PVC Jacket																				
30V RMS	9248	NEC:	U-500	U-152	16.5	7.5	1.02 mm	0.180	4.57	Duofoil®	0.270	6.86	75	82%	16.2	53.1	1	0.3	1.0	
80°C		CM	500	152	15.0	6.8	18 AWG			+ 60% TC							10	0.7	2.3	
UL AWM Style 1354		CEC:	U-1000	U-305	32.0	14.5	Solid BC			Braid							50	1.5	4.9	
		CM	1000	305	33.0	15.0	39.4 Ω/km*			18.4 Ω/km***							100	2.0	6.6	
			1640	500	55.8	25.3	21.0 Ω/km**										200	2.8	9.2	
1.0/4.6			3280	1000	108.2	49.1											400	4.0	13.1	
RG-6																	700	5.3	17.4	
																	900	6.1	20.0	
																	1000	6.5	21.3	
																	1500	8.3	27.2	
								Nominal Delay: 4.068 ns/m Pulling Tension: 195 N												
14 AWG • Solid 1.6 mm Bare Copper • Duofoil® • 60 % Tinned Copper Braid																				
Gas-Injected Foam HDPE Insulation • Black PVC Jacket																				
80°C	9292		1000	305	75.0	34.0	1.63 mm	0.280	7.11	Duofoil®	0.405	10.29	75	84%	16.1	52.8	1	0.2	0.6	
							14 AWG			+ 60% TC							10	0.5	1.6	
							Solid BC			Braid							50	0.9	3.0	
							18.3 Ω/km*			9.8 Ω/km***							100	1.3	4.3	
1.6/7.2							8.5 Ω/km**										200	1.6	5.3	
RG-11																	400	2.3	7.5	
																	700	3.3	10.8	
																	900	4.0	13.1	
																	1000	4.3	14.1	
								Nominal Delay: 3.937 ns/m Pulling Tension: 435 N												

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper • CCS = Copper-Covered Steel Duofoil® see technical information page 23.13.

Standard Analog Video Cables

RGB Component Video Multicore Cables



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material 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.

30 AWG • Stranded (7x38) 0.3 mm Tinned Copper • Duofoil® • 90% Tinned Copper Braid (Coaxes) • Overall Beldfoil® Shield • TC Drain Wire

Foam HDPE Insulation • Overall Black PVC Jacket

<p>30V RMS 60°C</p> <p>Miniature 0.3/1.4</p>	NEC: CL2	0.31 mm 30 AWG (7x38) TC 413.2 Ω/km* 382.1 Ω/km**	0.056	1.42	Duofoil® + 90% TC Braid 31.1 Ω/km***	75	78%	17.3	56.8	1	0.8	2.6
										5	1.5	4.9
										10	2.2	7.2
										30	4.0	13.1
										50	5.4	17.7
										100	8.2	26.9
1000	32.8	107.6										

Pulling Tension:

1520A	3 Coax	500 1000	152 305	23.0 50.0	10.4 22.7	0.283	7.19	187 N
1521A	4 Coax	500 1000	152 305	31.0 60.0	14.1 27.2	0.310	7.87	249 N
1522A	5 Coax	500 1000	152 305	34.5 67.0	15.6 30.4	0.338	8.59	311 N

Nominal Delay: 4.265 ns/m
100% Sweep tested. 10 MHz to 40 MHz.
Color Code: see chart below

26 AWG • Stranded (7x34) 0.5 mm Bare Copper • Duofoil® • 93% Tinned Copper Braid (Coaxes)

Foam HDPE Insulation • Overall Matte Black PVC Jacket

<p>30V RMS 60°C</p> <p>High-Flex 0.5/2.3</p>		0.48 mm 26 AWG (7x34) TC 164.3 Ω/km* 136.1 Ω/km**	0.090	2.29	Duofoil® + 93% TC Braid 28.2 Ω/km***	75	78%	17.3	56.8	1	0.6	2.0
										5	1.3	4.3
										10	1.8	5.9
										30	3.1	10.2
										50	3.9	12.8
										100	5.4	17.7
1000	15.9	52.2										

Pulling Tension:

1406B	3 Coax	1000	305	79.0	35.8	0.388	9.86	458 N
1407B	4 Coax	1000	305	100.0	45.4	0.455	11.56	614 N
1417B	5 Coax	1000	305	110.0	49.9	0.477	12.12	765 N

Nominal Delay: 4.265 ns/m
100% Sweep tested. 10 MHz to 40 MHz.
Color Code: see chart below

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper

Duofoil® see technical information page 23.13.

Color Code

Cond.	Color
1	Red
2	Green
3	Blue
4	White
5	Yellow

Low Loss HDTV/SDI Digital Coax


75 Ohm Coax



De-scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material 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/ 100 m

28.5 AWG • Solid 0.3 mm Bare Copper Conductor • Duobond® foil • 95 % Tinned Copper Braid

Gas-Injected Foam HDPE Insulation • PVC Jacket (Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White and Black)


DigiTruck HDTV/SDI Digital Video 70°C  0.3/1.4 RG-179	179DT NEC: CM CEC: CMG FT4	500	152	5.0	2.3	0.31 mm	0.056	1.42	Duobond®	0.100	2.54	75	77 %	17.5	57.4	1	1.2	3.9	
		1000	305	8.0	3.6	28.5 AWG			+ 95% TC								5	1.9	6.1
							Solid BC			Braid							10	2.4	7.8
							379.2 Ω/km*			29.2 Ω/km***							67.5	5.9	19.3
							350.0 Ω/km**										71.5	6.0	19.6
																	100	6.9	22.6
																	135	7.9	25.8
																	270	10.8	35.4
																	360	12.5	41.0
																	540	15.4	50.5

Return loss at 5-1600 MHz: ≥ 23 dB
1600-3000 MHz: ≥ 21 dB

Nominal Delay: 4.331 ns/m
100% Sweep tested. 5 Mhz to 3 GHz.
Pulling Tension: 66 N

25 AWG • Stranded (19x37) 0.5 mm Bare Copper • Duofoil® • 95 % Tinned Copper Braid

Gas-Injected Foam HDPE Insulation • PVC Jacket (Brown, Red, Orange, Yellow, Blue, Violet, Grey, White and Black)


HDTV/SDI Digital Video 75°C  0.5/2.4 RG-59/U Type	1865A NEC: CMR CEC: CMG FT4	1000	305	14.0	6.4	0.53 mm	0.094	2.39	Duofoil®	0.150	3.81	75	82 %	16.5	54.1	1	0.5	1.5	
						25 AWG			+ 95% TC								5	1.1	3.6
							(19x37) BC			Braid							71.5	3.7	12.1
							107.6 Ω/km*			17.7 Ω/km***							360	8.2	26.9
							89.9 Ω/km**										540	10.1	33.1
																	750	12.0	39.4
																	1000	13.9	45.6
																	1500	17.0	55.8
																	2250	20.8	68.2
																	3000	24.0	78.7

Nominal Delay: 4.068 ns/m
100% Sweep tested. 5 Mhz to 3 GHz.

Pulling Tension: 133 N

23 AWG • Solid 0.6 mm Bare Copper Conductor • Duofoil® • 95 % Tinned Copper Braid

Gas-Injected Foam HDPE Insulation • PVC Jacket

HDTV/SDI Digital Video 75°C  0.6/2.6 RG-59/U Type	1855A NEC: CMR CEC: CMG FT4	500	152	9.0	4.1	0.58 mm	0.102	2.59	Duofoil®	0.159	4.04	75	82 %	16.3	53.5	1	0.4	1.3	
		1000	305	16.0	7.3	23 AWG			+ 95% TC								3.6	0.8	2.6
							Solid BC			Braid							10	1.2	3.9
							90.8 Ω/km*			24.9 Ω/km***							71.5	3.1	10.0
							65.9 Ω/km**										135	3.8	12.5
																	270	5.4	17.7
																	360	6.2	20.3
																	540	7.7	25.3
																	720	9.5	31.1
																	750	9.6	31.5


Return loss at 5-1600 MHz: ≥ 23 dB
1601-4500 MHz: ≥ 21 dB

Nominal Delay: 4.003 ns/m
100% Sweep tested. 5 Mhz to 3 GHz.
Pulling Tension: 160 N

152 m put-up available in Black only.
Also available in multiples, bundled. See page 19.31 and 19.33.

22 AWG • Solid 0.6 mm Tinned Copper • Duofoil® • 90 % Tinned Copper Braid

Gas-Injected Foam HDPE Insulation • Green with FRNC Jacket

HDTV/SDI Digital Video 75°C  0.6/2.8 RG-59/U Type	1855ENH	328	100	6.2	2.8	0.64 mm	0.110	2.80	Duofoil®	0.175	4.45	75	84 %	16.2	53.0	71.5	2.6	8.6	
		1640	500	30.9	14.0	22 AWG			+ 90% TC								135	3.5	11.5
							Solid TC			Braid							270	4.9	16.1
							69.0 Ω/km*			17.0 Ω/km***							360	5.7	18.6
							52.0 Ω/km**										540	7.0	22.8
																	750	8.2	26.9
																	1500	11.8	38.7
																	3000	17.1	56.1

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper

Duofoil® and Duobond® see technical information page 23.13.

Low Loss HDTV/SDI Digital Coax

75 Ohm Coax



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material 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/ 100 m	
23 AWG • Solid 0.6 mm Bare Copper • 90% Tinned Copper Double Braid + 85% Tinned Copper Braid																				
Polyethylene Insulation • Cream PVC Jacket																				
SDI Digital Video 75°C	BE43187		328	100	7.5	7.0	0.58 mm	0.146	3.70	Double Braid 90% TC Solid BC 85% TC	0.248	6.30	75	66%	20.7	68.0	1	0.3	1.1	
																	10	1.1	3.5	
																	135	3.8	12.5	
																	270	5.5	17.9	
																	360	6.3	20.8	
																	540	8.0	26.2	
																	750	9.8	32.0	
																	1000	11.3	37.0	
0.6/3.7 RG-59/U Type																				
22 AWG • Stranded (7x29) 0.8 mm Bare Compacted Copper# • 98% Tinned Copper Double Braid																				
Gas-Injected Foam HDPE Insulation • PVC Jacket (Matte Black, Red, Green, Blue, Yellow, White and Violet)																				
HDTV/SDI Digital Video 75°C	1505F	NEC: CM CEC: CM	1000	305	45.0	20.4	0.76 mm 22 AWG (7x29) BCC 47.8 Ω /km** 40.0 Ω /km**	0.145	3.68	Double Braid 98% TC Braid 7.8 Ω /km***	0.242	6.15	75	80%	17.0	55.7	1	0.2	0.7	
																	3.6	0.5	1.6	
																	5	0.6	2.0	
																	7	0.7	2.4	
																	10	0.9	2.4	
																	71.5	2.5	8.2	
																	100	3.0	9.8	
																	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	
																	2000	15.7	51.5	
																	2250	16.9	55.4	
																	3000	20.3	66.6	
0.8/3.7 RG-59/U Type																				
Return loss at 5-3000 MHz: \geq 15 dB																				
Nominal Delay: 4.265 ns/m 100% Sweep tested. 5 Mhz to 3 Ghz. Pulling Tension: 400 N																				
20 AWG • Solid 0.8 mm Bare Copper • Duofoil® • 95% Tinned Copper Braid																				
Gas-Injected Foam HDPE Insulation • PVC Jacket (Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White and Black)																				
HDTV/SDI Digital Video 75°C	1505A	NEC: CMR CEC: CMG FT4	500	152	17.5	7.9	0.81 mm 20 AWG Solid BC 45.3 Ω /km** 32.8 Ω /km**	0.145	3.68	Duofoil® 95% TC Braid 12.5 Ω /km***	0.233	5.92	75	83%	16.3	53.5	1	0.3	1.0	
																	3.6	0.5	1.8	
																	5	0.6	2.1	
																	7	0.7	2.4	
																	10	0.9	2.9	
																	71.5	2.1	6.9	
																	100	2.3	7.6	
																	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	
																	2000	9.3	30.5	
																	2250	11.6	38.0	
																	3000	13.4	44.0	
																	4500	16.4	53.8	
0.8/3.7 RG-59/U Type																				
Return loss at 5-1600 MHz: \geq 23 dB 1601-4500 MHz: \geq 21 dB																				
Nominal Delay: 4.003 ns/m 100% Sweep tested. 5 Mhz to 3 Ghz. Pulling Tension: 209 N Also available in bundled versions. See page 19.32 and 19.34.																				
152 m put-up available in Black, Red or Blue only.																				
Gas-Injected Foam HDPE • Black FRNC/LSNH Jacket																				
HDTV/SDI Digital Video 75°C	1505ANH	IEC 332-3C IEC 332-1 IEC 61034-1 IEC 60331-1 IEC 60754-1 IEC 60754-2	1000	305	36.0	15.5	0.81 mm 20 AWG Solid BC 45.2 Ω /km* 32.8 Ω /km**	0.145	3.68	Duofoil® 95% TC Braid 12.4 Ω /km***	0.233	5.92	75	83%	16.3	53.5	see above			
0.8/3.7 RG-59/U Type																				
Return loss at 5-1600 MHz: \geq 23 dB 1601-4500 MHz: \geq 21 dB																				
Nominal Delay: 4.003 ns/m 100% Sweep tested. 5 Mhz to 3 Ghz. Pulling Tension: 209 N																				

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper • BCC = Bare Compacted Copper #Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductors.

Duofoil® see technical information page 23.13.

Low Loss HDTV/SDI Digital Coax

75 Ohm Coax



De-scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material 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/ 100 m

18 AWG • Solid 1.0 mm Bare Copper • Duofoil® • 95 % Tinned Copper Braid

Gas-Injected Foam HDPE • PVC Jacket (Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White and Black)

HDTV/SDI	1694A	NEC:	500	152	20.5	9.3	1.02 mm	0.180	4.57	Duofoil®	0.275	6.99	75	82%	16.2	53.1	1	0.2	0.8
Digital Video		CMR	1000	305	45.0	20.4	18 AWG			+ 95% TC							3.6	0.5	1.5
70°C		CEC:	4500	1372	202.5	91.9	Solid BC			Braid							10	0.7	2.4
		CMG FT4					30.2 Ω/km*			9.2 Ω/km***							71.5	1.6	5.2
							21.0 Ω/km**										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
																	2250	9.1	30.0
																	3000	10.7	35.0
																	4500	13.3	43.6

Return loss at 5-1600 MHz: ≥ 23 dB Nominal Delay: 4.068 ns/m
 1601-4500 MHz: ≥ 21 dB 100% Sweep tested. 5 Mhz to 4.5 Ghz.
 Pulling Tension: 306 N

152 m put-up available in Black only. Also available in bundled versions, see page 19.32.



1.0/4.6
RG-6/U Type

Gas-Injected Foam HDPE • Black FRNC Jacket

HDTV/SDI	1694ANH	IEC 332-3C	328	100	15.4	6.4	1.02 mm	0.180	4.57	Duofoil®	0.275	6.99	75	82%	16.2	53.1			
Digital Video		IEC 332-1	1000	305	46.2	19.6	18 AWG			+ 95% TC									
70°C		IEC 61034-1	1640	500	77.0	32.2	Solid BC			Braid									
		IEC 60331-11	4500	1372	207.7	88.2	30.2 Ω/km*			9.2 Ω/km***									
		IEC 60754-1					21.0 Ω/km**												
		IEC 60754-2																	

Return loss at 5-1600 MHz: ≥ 23 dB Nominal Delay: 4.068 ns/m
 1601-4500 MHz: ≥ 21 dB 100% Sweep tested. 5 Mhz to 4.5 Ghz.
 Pulling Tension: 306 N

305 m put-up available in Black only.



1.0/4.6
RG-6/U Type

19 AWG • Stranded (7x27) 1.0 mm Bare Copper • 99 % Tinned Copper Double Braid

Gas-Injected Foam HDPE • PVC Jacket (Black, Red, Green, Blue, White, Orange, Yellow and Violet)

HDTV/SDI	1694F	NEC:	1000	305	54.0	24.5	1.016 mm	0.225	5.72	Double Braid	0.276	7.01	75	81%	16.2	53.1	1	0.2	0.8
Digital Video		CMR					19 AWG			+ 99% TC							3.6	0.5	1.5
75°C		CEC:					(7x27) BC			Braid							10	0.7	2.4
300V RMS		CMG					33.3 Ω/km*			5.5 Ω/km***							71.5	2.0	6.5
							27.8 Ω/km**										270	4.0	13.1
																	360	4.7	15.4
																	540	5.9	19.3
																	720	6.9	22.6
																	750	7.0	22.9
																	1000	8.2	26.9
																	1500	10.4	34.1
																	2250	13.2	43.3
																	3000	15.6	51.1
																	4500	19.8	64.9

Return loss at 5-850 MHz: ≥ 20 dB Nominal Delay: 4.101 ns/m
 850-4500 MHz: ≥ 15 dB 100% Sweep tested. 5 Mhz to 4.5 Ghz.
 Pulling Tension: 364 N



1.0/4.6
RG-6/U Type

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper

Duofoil® see technical information page 23.13.

Low Loss HDTV/SDI Digital Coax

75 Ohm Coax



De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material 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/ 100 m

14 AWG • Solid 1.6 mm Bare Copper • Duofoil® • 95 % Tinned Copper Braid**Gas-Injected Foam HDPE Insulation • PVC Jacket** (Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White and Black)

HDTV/SDI	7731A	NEC:	500	152	46.5	21.1	1.63 mm	0.280	7.11	Duofoil®	0.400	10.16	75	85%	16.0	52.5	1	0.2	0.5
Digital Video		CMR	1000	305	95.0	43.1	14 AWG			+ 95% TC							10	0.5	1.5
75°C		CEC:	4000	1219	388.0	176.0	Solid BC			Braid							71.5	1.1	3.6
		CMG FT4					13.1 Ω/km*			4.9 Ω/km***							135	1.5	4.8
							8.2 Ω/km**										270	2.1	6.9
																	360	2.5	8.0
																	540	3.1	10.0
																	720	3.6	11.7
																	750	3.7	12.0
																	1000	4.3	14.1
																	1500	5.5	18.0
																	2250	6.9	22.6
																	3000	8.2	26.9
																	4500	10.4	34.1



1.6/7.2
RG-11/U Type

Return loss at 5-1600 MHz: ≥ 23 dB
1601-4500 MHz: ≥ 21 dB

Nominal Delay: 3.97 ns/m
100% Sweep tested. 5 Mhz to 3 GHz.

152 m put-up available in Black only.

Pulling Tension: 644 N

Gas-Injected Foam HDPE • Black FRNC Jacket

HDTV/SDI	7731ANH	IEC 332-3C	1000	305	100.0	40.4	1.63 mm	0.280	7.11	Duofoil®	0.400	10.16	75	85%	16.0	52.5			
Digital Video		IEC 332-1	1640	500	164.0	66.3	14 AWG			+ 95% TC									
70°C		IEC 61034-1	3280	1000	328.0	132.5	Solid BC			Braid									
		IEC 60331-11	4000	1219	400.0	161.5	13.1 Ω/km*			4.9 Ω/km***									
		IEC 60754-1					8.2 Ω/km**												
		IEC 60754-2																	



1.6/7.2
RG-11/U Type

Return loss at 5-1600 MHz: ≥ 23 dB
1601-4500 MHz: ≥ 21 dB

Nominal Delay: 3.97 ns/m
100% Sweep tested. 5 Mhz to 3 GHz.

Pulling Tension: 644 N

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper


Duofoil® see technical information page 23.13.

HDTV/SDI Digital Coax
 RGB Component Video Multicore Cables
 VideoFlex® Snake Cables



De-scription	Part No.	UL NEC / C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material 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/100 m

25 AWG • Solid 0.5 mm Tinned Copper • Duobond® • 95 % Tinned Interlocked Serve (Coaxes)


FPFA Insulation • Overall Matte Black PVC Jacket																		
HDTV/SDI Digital Video 60°C  Miniature 0.5/1.9	NEC:		0.46 mm	0.074	1.88	Duobond®	0.114	2.90	75	80%	17.0	55.8	1	0.5	1.7			
	CMR		25 AWG			95% TC							5	1.2	3.8			
	CEC:		Solid TC			Serve								50	3.7	12.1		
	CMG		129.2 Ω/km*			17.7 Ω/km***								100	4.9	16.1		
			111.5 Ω/km**											200	6.7	22.0		
														400	9.5	31.2		
													750	13.4	44.0			
													900	15.0	49.2			
													1000	15.8	51.8			
													3000	31.2	102.4			

Nominal Delay: 4.068 ns/m • Color Code: see chart 1

Pulling Tension:

1277R	3 Coax	† 500	152	25.5	11.6		0.320	8.13										400 N
		† 1000	305	48.0	21.8													
1278R	4 Coax	250	76	21.8	9.9		0.351	8.92										489 N
		† 500	152	31.5	14.3													
		† 1000	305	60.0	27.2													
1279R	5 Coax	† 500	152	40.5	18.4		0.403	10.24										578 N
		† 1000	305	80.0	36.3													
1280R	6 Coax	† 500	152	44.0	20.0		0.423	10.74										601 N
		† 1000	305	87.0	39.5													

23 AWG • Solid 0.6 mm Tinned Copper • Duofoil® • 95% Tinned Copper Braid (Coaxes)

Gas-Injected Foam HDPE Insulation • Overall Matte Black PVC Jacket																		
HDTV/SDI Digital Video 75°C  1855A Bundled 0.6/2.6	NEC:		0.58 mm	0.100	2.55	Duofoil®	0.159	4.03	75	83%	16.5	54.1	1	0.4	1.3			
	CMR		23 AWG			+ 95% TC												3.6
	CEC:		Solid TC			Braid												10
	CMG FT4		90.8 Ω/km*			24.9 Ω/km***												270
			65.9 Ω/km**															360
																		750
																	1000	
																	2500	
																	3000	

Nominal Delay: 4.068 ns/m • Sweep tested. 5 MHz to 3 GHz. • Color Code: see chart 2

Pulling Tension:

7787A	3 Coax	500	152	47.5	21.5		0.432	10.97										480 N
		1000	305	94.0	42.6													
7788A	4 Coax	1000	305	110.0	49.9		0.481	12.22										640 N
7789A	5 Coax	500	152	73.0	33.1		0.539	13.69										801 N
		1000	305	142.0	64.4													
7790A	6 Coax	500	152	88.5	40.1		0.597	15.16										961 N
		1000	305	176.0	79.8													
7791A	10 Coax	500	152	155.5	70.5		0.796	20.22										1601 N
		1000	305	304.0	137.9													
7792A	12 Coax	500	152	178.5	81.0		0.825	20.96										1922 N
		1000	305	367.0	166.5													

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • TC = Tinned Copper • FPFA = Foam Perfluoroalkoxy • HDPE = High-density Polyethylene • DCR = DC resistance • † Spools are one piece, but length may vary ±10% from length shown. • Duobond® see technical information page 23.13.

Color Code (Chart 1)

Cond.	Color	Cond.	Color	Cond.	Color
1	Red	3	Blue	5	Black
2	Green	4	Yellow	6	White

Color Code (Chart 2)

Cond.	Color	Cond.	Color	Cond.	Color	Cond.	Color	Cond.	Color
1	Red	3	Blue	5	Yellow	7	Orange	9	Purple
2	Green	4	White	6	Brown	8	Grey	10	Black
								11	Pink
								12	Tan



For more information, contact Belden Technical Support +31-77-3875-414 • www.belden-emea.com


HDTV/SDI Digital Coax
 RGB Component Video Multicore Cables
 VideoFlex® Snake Cables



De- scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material 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.

20 AWG • Solid 0.8 mm Bare Copper • Duofoil® • 95 % Tinned Copper Braid (Coaxes)

Gas-Injected Foam HDPE Insulation • Overall Matte Black PVC Jacket

HDTV/SDI Digital Video 75°C  1505A Bundled 0.8/3.7	NEC:	0.81 mm	0.145	3.68	Duofoil®	0.235	5.97	75	83%	16.2	53.1	1	0.3	1.0
	CMR	20 AWG			+ 95% TC							3	0.5	1.8
	CEC:	Solid BC			Braid							10	0.9	2.9
	CMG FT4	45.3 Ω/km*			12.5 Ω/km***							270	3.8	12.5
		32.8 Ω/km**										360	4.4	14.4
												750	6.5	21.3


Pulling Tension:

7794A	3 Coax	500	152	94.5	42.9		0.631	16.03							961 N
		1000	305	187.0	84.8										
7795A	4 Coax	500	152	116.5	52.8		0.706	17.93							1281 N
		1000	305	237.0	107.5										
7796A	5 Coax	500	152	153.0	69.4		0.790	20.07							1601 N
		1000	305	299.0	135.6										
7798A	10 Coax	500	152	319.5	144.9		1.166	29.62							3203 N
		1000	305	625.0	283.5										

Nominal Delay: 4.265 ns/m • Sweep tested. 5 MHz to 3 GHz.
 Color Code: see chart below

18 AWG • Solid 1.0 mm Bare Copper • Duofoil® • 95 % Tinned Copper Braid (Coaxes)

Gas-Injected Foam HDPE Insulation • Overall Matte Black PVC Jacket

HDTV/SDI Digital Video 75°C  1694A Bundled 1.0/4.6	NEC:	1.02 mm	0.180	4.57	Duofoil®	0.275	6.99	75	82%	16.2	53.1	1	0.2	0.8
	CMR	18 AWG			+ 95% TC							3.6	0.5	1.5
	CEC:	Solid BC			Braid							10	0.7	2.4
	CMG FT4	30.8 Ω/km*			9.8 Ω/km***							270	3.0	9.7
		21.0 Ω/km**										360	3.4	11.3
												750	5.0	16.4

Pulling Tension:

7710A	3 Coax	500	152	137.5	62.4		0.770	19.56							921 N
		1000	305	285.0	129.3										
7711A	4 Coax	500	152	179.5	81.4		0.900	22.86							1227 N
		1000	305	350.0	158.8										
7712A	5 Coax	500	152	216.5	98.2		0.970	24.64							1534 N
		1000	305	454.0	205.9										
7713A	10 Coax	500	152	463.0	210.0		1.386	35.20							3069 N
		1000	305	904.0	410.1										

Nominal Delay: 4.068 ns/m • Sweep tested. 5 MHz to 3 GHz.
 Color Code: see chart below

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper
 Duofoil® see technical information page 23.13.

Color Code

Cond.	Color	Cond.	Color	Cond.	Color	Cond.	Color	Cond.	Color
1	Red	3	Blue	5	Yellow	7	Orange	9	Purple
2	Green	4	White	6	Brown	8	Grey	10	Black

HDTV/SDI Digital Coax

RGB Component Video Multicore Cables

Banana Peel® Unjacketed Bundles



De-scription	Part No.	UL NEC/ C(UL)/CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material 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/ 100 m

25 AWG • Solid 0.5 mm Tinned Copper • Duobond® • 95 % Tinned Copper Interlocked Serve Braid (Coaxes) • Banana Peel® Unjacketed, Bonded to Central Spline

Foam HDPE Insulation • PVC Jackets in Colors

	HDTV/SDI	NEC:	0.46 mm	0.074	1.88	Duobond®	0.114	2.90	75	80%	17.0	55.8	5	1.2	3.8			
	Digital Video	CMR	25 AWG			95% TC							50	3.7	12.1			
	75°C	CEC:	Solid TC			Serve							100	4.9	16.1			
		CMG	129.2 Ω/km*			17.7 Ω/km***							200	6.7	22.0			
			111.5 Ω/km**										400	9.5	31.2			

Miniature 0.5/1.9

1281S3 3 Coax	† 500 † 1000	152 305	17.0 31.0	7.7 14.1			0.246	6.25							400 N
1281S4 4 Coax	† 500 † 1000	152 305	23.5 44.0	10.7 20.0			0.275	6.99							489 N
1281S5 5 Coax	† 250	76	16.0	7.3			0.308	7.82						578 N	
	† 500	152	28.5	12.9											
	† 1000	305	55.0	24.9											
1281S6 6 Coax	† 500	152	33.5	15.2			0.342	8.69						601 N	
	† 1000	305	68.0	30.8											

100% Sweep tested. 5 MHz to 850 MHz. Patent pending.

Nominal Delay: 4.068 ns/m
Color Code: see chart 1

23 AWG • Solid 0.6 mm Bare Copper • Duofoil® • 95 % TC Braid (Coaxes) • Banana Peel® Unjacketed, Bonded to Central Spline

Gas-Injected Foam HDPE Insulation • PVC Jacket

	HDTV/SDI	NEC:	0.58 mm	0.102	2.59	Duofoil®	0.159	4.04	75	82%	16.3	53.5	1	0.4	1.3			
	Digital Video	CMR	23 AWG			+ 95% TC							3.6	0.8	2.6			
	75°C	CEC:	Solid BC			Braid							10	1.2	3.9			
		CMG	90.8 Ω/km*			24.9 Ω/km***							360	6.2	20.3			
			65.9 Ω/km**										750	9.6	31.5			

1855A Bundled 0.6/2.6

1855S3 3 Coax	500	152	29.5	13.4			0.343	8.71						480 N
	1000	305	57.1	25.9										
1855S5 5 Coax	500	152	51.5	23.4			0.429	10.90						800 N
	1000	305	102.1	46.3										
1855S6 6 Coax	500	152	64.1	29.1			0.477	12.12						960 N
	1000	305	121.1	54.9										

Return loss at 5-625 MHz: ≥ 20 dB
625-675 MHz: ≥ 15 dB
675-850 MHz: ≥ 20 dB
850-4500 MHz: ≥ 15 dB

Nominal Delay: 4.068 ns/m
100% Sweep tested. 5 MHz to 5 GHz.
152 m put-up available in Black only.
Color Code: see chart 2

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper
† Spools are one piece, but length may vary ±10% from length shown. • Duofoil® and Duobond® see technical information page 23.13.

Color Code (Chart 1)

Cond.	Color	Cond.	Color	Cond.	Color
1	Red	3	Blue	5	Black
2	Green	4	Yellow	6	White

Color Code (Chart 2)


Cond.	Color	Cond.	Color	Cond.	Color
1	Red	3	Blue	5	Yellow
2	Green	4	White	6	Brown

HDTV/SDI Digital Coax
 RGB Component Video Multicore Cables
 Banana Peel® Unjacketed Bundles



De- scription	Part No.	UL NEC/ C(UL)CEC Type IEC	Standard Lengths		Standard Unit Weight		Conductor (Stranding) Diameter Nom. DCR	Nominal Insulation OD		Shielding Material 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.

20 AWG • Solid 0.8 mm Bare Copper • Duofoil® • 95 % TC Braid (Coaxes) • Banana Peel® Unjacketed, Bonded to Central Spline

Foam HDPE Insulation • Individual PVC Jackets in Colors																		
 <p>1505A Bundled 0.8/3.7 RG-59/U Type</p>	HDTV/SDI	NEC:				0.81 mm	0.145	3.68	Duofoil®	0.235	5.97	75	83%	16.2	53.1	1	0.3	0.9
	Digital Video	CMR				20 AWG			+ 95% TC							3.6	0.6	1.9
	75°C	CEC:				Solid BC			Braid							10	0.9	2.9
		CMG				45.2 Ω/km*			12.4 Ω/km***							71.5	2.1	6.8
						32.8 Ω/km**										135	2.7	8.8
																270	3.8	12.4
																360	4.4	14.4
																540	5.5	18.0
																720	6.4	20.9
																750	6.5	21.3
															1000	7.6	24.9	
															1500	9.4	30.8	
															2500	12.4	40.6	
															3000	13.8	45.2	
															4500	16.5	54.2	

Pulling Tension:

1505S3 3 Coax	500	152	55.5	25.2		0.502	12.75											960 N	
	1000	305	104.0	47.2															
1505S5 5 Coax	500	152	95.0	43.1		0.629	15.98												1601 N
	1000	305	185.0	83.9															
1505S6 6 Coax	500	152	117.6	53.3		0.790	20.07												1921 N
	1000	305	250.3	113.5															

Return loss at 5-475 MHz: ≥ 20 dB
 475-525 MHz: ≥ 15 dB
 525-850 MHz: ≥ 20 dB
 850-4500 MHz: ≥ 15 dB

Nominal Delay: 4.003 ns/m
 100% Sweep tested, 5 MHz to 4.5 GHz. Patent pending.
 Color Code: see chart below

* DC loop resistance • ** DC resistance inner conductor • *** DC resistance outer conductor • DCR = DC resistance • TC = Tinned Copper • BC = Bare Copper

Duofoil® see technical information page 23.13.

Color Code

Cond.	Color	Cond.	Color
1	Red	4	White
2	Green	5	Yellow
3	Blue	6	Brown