

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	179DT	NEC: CMR CEC: CMG FT4	500 1000	152 305	5.0 8.0	2.3 3.6	0.31 mm 28.5 AWG Solid BC 379.2 Ω/km* 350.0 Ω/km**	0.056 1.42		Duobond® + 95% TC Braid 29.2 Ω/km***	0.100 2.54	75 77%	17.5 57.4		1 5 10 67.5 71.5 100 135 270 360 540 720 750 1000 1500 2000 2250 3000 4500	1.2 1.9 2.4 5.9 6.0 6.9 7.9 10.8 12.5 15.4 17.9 18.3 21.3 26.3 30.8 32.8 38.3 47.5	3.9 6.1 7.8 19.3 19.6 22.6 25.8 35.4 41.0 50.5 58.7 60.0 69.9 86.3 101.1 107.6 125.7 155.8					
0.3/1.4 RG-179																						
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	1865A	NEC: CMR CEC: CMG FT4	1000	305	14.0	6.4	0.53 mm 25 AWG (19x37) BC 107.6 Ω/km* 89.9 Ω/km**	0.094 2.39		Duofoil® + 95% TC Braid 17.7 Ω/km***	0.150 3.81	75 82%	16.5 54.1		1 5 71.5 360 540 750 1000 1500 2250 3000	0.5 1.1 3.7 8.2 10.1 12.0 13.9 17.0 20.8 24.0	1.5 3.6 12.1 26.9 33.1 39.4 45.6 55.8 68.2 78.7					
0.5/2.4 RG-59/U Type																						
Nominal Delay: 4.068 ns/m											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	1855A	NEC: CMR CEC: CMG FT4	500 1000	152 305	9.0 16.0	4.1 7.3	0.58 mm 23 AWG Solid BC 90.8 Ω/km* 65.9 Ω/km**	0.102 2.59		Duofoil® + 95% TC Braid 24.9 Ω/km***	0.159 4.04	75 82%	16.3 53.5		1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2000 2250 3000 4500	0.4 0.8 1.2 3.1 3.8 5.4 6.2 7.7 9.5 9.6 10.5 13.0 15.1 16.0 18.5 22.8	1.3 2.6 3.9 10.0 12.5 17.7 20.3 25.3 31.1 31.5 34.4 42.6 49.5 52.5 60.7 74.8					
0.6/2.6 RG-59/U Type																						
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	1855ENH		328 1640	100 500	6.2 30.9	2.8 14.0	0.64 mm 22 AWG Solid TC 69.0 Ω/km* 52.0 Ω/km**	0.110 2.80		Duofoil® + 90% TC Braid 17.0 Ω/km***	0.175 4.45	75 84%	16.2 53.0		71.5 135 270 360 540 750 1500 3000	2.6 3.5 4.9 5.7 7.0 8.2 11.8 17.1	8.6 11.5 16.1 18.6 22.8 26.9 38.7 56.1					
0.6/2.8 RG-59/U Type																						

* 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.

23 AWG • Solid 0.6 mm Bare Copper • 90% Tinned Copper Double Braid + 85% Tinned Copper Braid

Polyethylene Insulation • Cream PVC Jacket																			
SDI	BE43187		328	100	7.5	7.0	0.58 mm	0.146	3.70	Double Braid	0.248	6.30	75	66%	20.7	68.0	1	0.3	1.1
Digital Video			1640	500	37.5	35.0	23 AWG			90% TC							10	1.1	3.5
75°C							Solid BC			85% TC							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	1505F	NEC:	1000	305	45.0	20.4	0.76 mm	0.145	3.68	Double Braid	0.242	6.15	75	80%	17.0	55.7	1	0.2	0.7
Digital Video		CM					22 AWG			98% TC							3.6	0.5	1.6
75°C		CEC:					(7x29) BCC			Braid							5	0.6	2.0
		CM					47.8 Ω/km**			7.8 Ω/km***							7	0.7	2.4
							40.0 Ω/km**										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: ≥ 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	1505A	NEC:	500	152	17.5	7.9	0.81 mm	0.145	3.68	Duofoil®	0.233	5.92	75	83%	16.3	53.5	1	0.3	1.0
Digital Video		CMR	1000	305	36.0	16.3	20 AWG			95% TC							3.6	0.5	1.8
75°C		CEC:	5000	1524	165.4	75.0	Solid BC			Braid							5	0.6	2.1
		CMG FT4					45.3 Ω/km**			12.5 Ω/km***							7	0.7	2.4
							32.8 Ω/km**										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: ≥ 23 dB
1601-4500 MHz: ≥ 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	1505ANH	IEC 332-3C	1000	305	36.0	15.5	0.81 mm	0.145	3.68	Duofoil®	0.233	5.92	75	83%	16.3	53.5			
Digital Video		IEC 332-1					20 AWG			95% TC									
75°C		IEC 61034-1					Solid BC			Braid									
		IEC 60331-11					45.2 Ω/km*			12.4 Ω/km***									
		IEC 60754-1					32.8 Ω/km**												
		IEC 60754-2																	



0.8/3.7
RG-59/U Type

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: 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 Digital Video 70°C	1694A	NEC: 500 CMR 1000 CEC: 4500 CMG FT4	152 305 1372	20.5 45.0 202.5	9.3 20.4 91.9	1.02 mm 18 AWG Solid BC 30.2 Ω/km* 21.0 Ω/km**	0.180 4.57	Duofoil® + 95% TC Braid 9.2 Ω/km***		0.275 6.99	75 82%	16.2 53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000 4500	82% 16.2 53.1	0.2 0.5 0.7 1.6 2.1 3.0 3.4 4.3 4.9 5.0 5.9 7.3 9.1 10.7 13.3	0.8 1.5 2.4 5.2 6.9 9.7 11.3 13.9 16.1 16.4 19.3 24.0 30.0 35.0 43.6
-----------------------------	--------------	--	--------------------	-----------------------	---------------------	--	---------------	--	--	---------------	-----------	--------------	--	---------------------	---	--



1.0/4.6
RG-6/U Type

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

Nominal Delay: 4.068 ns/m
100% Sweep tested. 5 Mhz to 4.5 Ghz.
Pulling Tension: 306 N
Also available in bundled versions, see page 19.32.

152 m put-up available in Black only.

Gas-Injected Foam HDPE • Black FRNC Jacket

HDTV/SDI Digital Video 70°C	1694ANH	IEC 332-3C IEC 332-1 IEC 61034-1 IEC 60331-11 IEC 60754-1 IEC 60754-2	328 1000 1640 4500	100 305 500 1372	15.4 46.2 77.0 207.7	6.4 19.6 32.2 88.2 30.2 Ω/km* 21.0 Ω/km**	0.180 4.57	Duofoil® + 95% TC Braid 9.2 Ω/km***		0.275 6.99	75 82%	16.2 53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000 4500	82% 16.2 53.1	0.2 0.5 0.7 1.6 2.1 3.0 3.4 4.3 4.9 5.0 5.9 7.3 9.1 10.7 13.3	0.8 1.5 2.4 5.2 6.9 9.7 11.3 13.9 16.1 16.4 19.3 24.0 30.0 35.0 43.6
-----------------------------	----------------	--	-----------------------------	---------------------------	-------------------------------	--	---------------	--	--	---------------	-----------	--------------	--	---------------------	---	--



1.0/4.6
RG-6/U Type

Return loss at 5-1600 MHz: ≥ 23 dB
1601-4500 MHz: ≥ 21 dB
305 m put-up available in Black only.

Nominal Delay: 4.068 ns/m
100% Sweep tested. 5 Mhz to 4.5 Ghz.
Pulling Tension: 306 N

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 Digital Video 75°C 300V RMS	1694F	NEC: 1000 CMR CEC: CMG	305 54.0	24.5	1.016 mm 19 AWG (7x27) BC 33.3 Ω/km* 27.8 Ω/km**	0.225 5.72	Double Braid + 99% TC Braid 5.5 Ω/km***		0.276 7.01	75 81%	16.2 53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000 4500	81% 16.2 53.1	0.2 0.5 0.7 1.6 2.0 2.4 2.6 3.0 3.4 3.8 4.2 4.6 5.0 5.4 5.8 6.2 6.6 7.0 7.4 7.8 8.2 8.6 9.0 9.4 9.8 10.2 10.6 11.0 11.4 11.8 12.2 12.6 13.0 13.4 13.8 14.2 14.6 15.0 15.4 15.8 16.2 16.6 17.0 17.4 17.8 18.2 18.6 19.0 19.4 19.8 20.2 20.6 21.0 21.4 21.8 22.2 22.6 23.0 23.4 23.8 24.2 24.6 25.0 25.4 25.8 26.2 26.6 27.0 27.4 27.8 28.2 28.6 29.0 29.4 29.8 30.2 30.6 31.0 31.4 31.8 32.2 32.6 33.0 33.4 33.8 34.2 34.6 35.0 35.4 35.8 36.2 36.6 37.0 37.4 37.8 38.2 38.6 39.0 39.4 39.8 40.2 40.6 41.0 41.4 41.8 42.2 42.6 43.0 43.4 43.8 44.2 44.6 45.0	0.8 1.5 2.4 6.5 13.1 15.4 19.3 22.6 22.9 26.9 34.1 43.3 51.1 64.9
---	--------------	---------------------------------	-------------	------	--	---------------	--	--	---------------	-----------	--------------	--	---------------------	---	--



1.0/4.6
RG-6/U Type

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

Nominal Delay: 4.101 ns/m
100% Sweep tested. 5 Mhz to 4.5 Ghz.
Pulling Tension: 364 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.

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


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	0.8	2.6
	CEC:	Solid TC			Braid							10	1.2	3.9
	CMG FT4	90.8 Ω/km*			24.9 Ω/km***							270	5.4	17.7
		65.9 Ω/km**										360	6.2	20.3
												750	9.5	31.2

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: CMR CEC: CMG FT4	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***	0.235 5.97	75 83%	16.2 53.1	1 3 10 270 360 750 1000 2500 3000	0.3 0.5 0.9 3.8 4.4 6.5 7.6 12.4 13.8	1.0 1.8 2.9 12.5 14.4 21.3 24.9 40.7 45.3							

Pulling Tension:

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

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: CMR CEC: CMG FT4	1.02 mm 18 AWG Solid BC 30.8 Ω/km* 21.0 Ω/km**	0.180 4.57	Duofoil® + 95% TC Braid 9.8 Ω/km***	0.275 6.99	75 82%	16.2 53.1	1 3.6 10 270 360 750 1000 2500 3000	0.2 0.5 0.7 3.0 3.4 5.0 5.9 9.7 10.7	0.8 1.5 2.4 9.7 11.3 16.4 19.3 31.8 35.0							

Pulling Tension:

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

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

<p>HDTV/SDI Digital Video 75°C</p>	NEC:	0.46 mm	0.074	1.88	Duobond®	0.114	2.90	75	80%	17.0	55.8	5	1.2	3.8
	CMR	25 AWG			95% TC							50	3.7	12.1
	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
												750	13.4	44.0

Miniature
0.5/1.9

Pulling Tension:

1281S3 3 Coax	† 500	152	17.0	7.7		0.246	6.25								400 N
	† 1000	305	31.0	14.1											
1281S4 4 Coax	† 500	152	23.5	10.7		0.275	6.99								489 N
	† 1000	305	44.0	20.0											
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

<p>HDTV/SDI Digital Video 75°C</p>	NEC:	0.58 mm	0.102	2.59	Duofoil®	0.159	4.04	75	82%	16.3	53.5	1	0.4	1.3
	CMR	23 AWG			+ 95% TC							3.6	0.8	2.6
	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
												1000	10.5	34.4

1855A Bundled
0.6/2.6

Pulling Tension:

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




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

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																				
 HDTV/SDI Digital Video 75°C 1505A Bundled 0.8/3.7 RG-59/U Type	NEC:					0.81 mm	0.145	3.68	Duofoil®	0.235	5.97	75	83%	16.2	53.1	1	0.3	0.9		
	CMR					20 AWG			+ 95% TC								3.6	0.6	1.9	
	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	Nominal Delay: 4.003 ns/m
	475-525 MHz: ≥ 15 dB	100% Sweep tested, 5 MHz to 4.5 GHz. Patent pending.
	525-850 MHz: ≥ 20 dB	Color Code: see chart below
	850-4500 MHz: ≥ 15 dB	

* 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