


**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:

<b>1277R</b>	3 Coax	† 500	152	25.5	11.6					0.320	8.13				400 N
		† 1000	305	48.0	21.8										
<b>1278R</b>	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										
<b>1279R</b>	5 Coax	† 500	152	40.5	18.4					0.403	10.24				578 N
		† 1000	305	80.0	36.3										
<b>1280R</b>	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:

<b>7787A</b>	3 Coax	500	152	47.5	21.5					0.432	10.97				480 N
		1000	305	94.0	42.6										
<b>7788A</b>	4 Coax	1000	305	110.0	49.9					0.481	12.22				640 N
<b>7789A</b>	5 Coax	500	152	73.0	33.1					0.539	13.69				801 N
		1000	305	142.0	64.4										
<b>7790A</b>	6 Coax	500	152	88.5	40.1					0.597	15.16				961 N
		1000	305	176.0	79.8										
<b>7791A</b>	10 Coax	500	152	155.5	70.5					0.796	20.22				1601 N
		1000	305	304.0	137.9										
<b>7792A</b>	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
											1000	7.6	24.9	
											2500	12.4	40.7	
											3000	13.8	45.3	


Pulling Tension:

<b>7794A</b>	3 Coax	500	152	94.5	42.9					0.631	16.03				961 N
		1000	305	187.0	84.8										
<b>7795A</b>	4 Coax	500	152	116.5	52.8					0.706	17.93				1281 N
		1000	305	237.0	107.5										
<b>7796A</b>	5 Coax	500	152	153.0	69.4					0.790	20.07				1601 N
		1000	305	299.0	135.6										
<b>7798A</b>	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
											1000	5.9	19.3	
											2500	9.7	31.8	
											3000	10.7	35.0	

Pulling Tension:

<b>7710A</b>	3 Coax	500	152	137.5	62.4					0.770	19.56				921 N
		1000	305	285.0	129.3										
<b>7711A</b>	4 Coax	500	152	179.5	81.4					0.900	22.86				1227 N
		1000	305	350.0	158.8										
<b>7712A</b>	5 Coax	500	152	216.5	98.2					0.970	24.64				1534 N
		1000	305	454.0	205.9										
<b>7713A</b>	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