

**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	<b>179DT</b> 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	<b>1865A</b> 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	<b>1855A</b> 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  
 152 m put-up available in Black only.  
 Nominal Delay: 4.003 ns/m  
 100% Sweep tested. 5 Mhz to 3 GHz.  
 Pulling Tension: 160 N  
 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	<b>1855ENH</b>	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.

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

<b>Polyethylene Insulation • Cream PVC Jacket</b>																			
SDI	<b>BE43187</b>		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**

<b>Gas-Injected Foam HDPE Insulation • PVC Jacket (Matte Black, Red, Green, Blue, Yellow, White and Violet)</b>																			
HDTV/SDI	<b>1505F</b>	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**

<b>Gas-Injected Foam HDPE Insulation • PVC Jacket (Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White and Black)</b>																			
HDTV/SDI	<b>1505A</b>	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	<b>1505ANH</b>	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

**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	<b>7731A</b>	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	<b>7731ANH</b>	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:

<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


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

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




**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:

<b>1505S3</b> 3 Coax	500	152	55.5	25.2		0.502	12.75											960 N
	1000	305	104.0	47.2														
<b>1505S5</b> 5 Coax	500	152	95.0	43.1		0.629	15.98											1601 N
	1000	305	185.0	83.9														
<b>1505S6</b> 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



### Home Cinema Video Cables

#### Low Loss HDTV/SDI Digital Coax and SVHS 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. ( )	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 • Duobond® • 95 % Tinned Copper Braid**

<b>Gas-Injected Foam HDPE Insulation • PVC Jacket</b> (Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White and Black)																			
DigiTruck®	<b>179DT</b>	NEC:	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
SDI/HDTV		CMR	1000	305	8.0	3.6	28.5 AWG			+ 95% TC							5	1.9	6.1
Digital Video 75°C		CEC:					Solid BC			Braid							10	2.4	7.8
		CMG FT4					379.2 /km*			29.2 /km***							67.5	5.9	19.3
							350.0 /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
																	720	17.9	58.7
																	750	18.3	60.0
																	1000	21.3	69.9
																	1500	26.3	86.3
																	2000	30.8	101.1
																	2250	32.8	107.6
																	3000	38.3	125.7



Mini Video Patch  
0.3/1.4

Guaranteed Return Loss: -21dB Min.  
152 m put-up available in Black only.

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

**22 AWG • Stranded (7x29) 0.8 mm Bare Compacted Copper • 95 % Tinned Copper Double Braid**

<b>Gas-Injected Foam HDPE Insulation • PVC Jacket</b> (Matte Black, Red, Green, Blue, Yellow, White, Orange and Violet)																			
High-Flex	<b>1505F</b>	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
SDI/HDTV		CM					22 AWG			95% TC							3.6	0.5	1.6
Video Patch 75°C		CEC:					(7x29) BCC			Braid							10	0.9	2.9
		CM					47.8 /km*			7.8 /km***							71.5	2.5	8.2
							40.0 /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

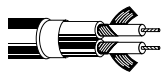
SPDIF, FBAS,  
Composite Video, Audio  
0.8/3.7

Return loss at 5-3000 MHz: 15 dB  
100% Sweep tested: 5 Mhz to 3 GHz  
Compacted conductor combines impedance uniformity of solid conductors and "nick-resistance" of stranded conductor.

Nominal Delay: 4.265 ns/m  
Pulling Tension: 400 N

**High-Flex S-video • 30 AWG • Stranded (7x38) 0.3 mm Tinned Copper • 90 % Tinned Copper Serve**

<b>Foam HDPE Insulation • Matte Black PVC Jacket (Inner PVC Jackets Color Code: Black and Yellow)</b>																			
Round	<b>1808A</b>	2 Coax	U-500	U-152	14.5	6.6	0.31 mm	0.058	1.47	Serve	0.255	6.48	75	78%	17.3	56.7	1	0.6	2.0
Construction			500	152	16.5	7.5	30 AWG			90% TC							5	1.4	4.6
			U-1000	U-305	31.0	14.1	(7x38) TC			24.6 /km***							10	2.1	6.9
			1000	305	33.0	15.0	352.6 /km*										30	3.8	12.5
							328.0 /km**										50	5.1	16.7
																	100	7.6	24.9
																	200	11.3	37.1
																	400	16.9	55.4
																	700	23.3	76.4
																	900	26.9	88.3
																	1000	28.6	93.8



Return loss at 5-3000 MHz: 15 dB  
Nominal Delay: 4.265 ns/m  
Pulling Tension: 52 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

Duobond® see technical information page 23.13.