

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
 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	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.

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

Gas-Injected Foam HDPE Insulation • PVC Jacket (Brown, Red, Orange, Yellow, Green, Blue, Violet, Grey, White and Black)																			
DigiTruck®	179DT	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

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

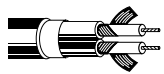
SPDIF, FBAS,
Composite Video, Audio
0.8/3.7

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

Foam HDPE Insulation • Matte Black PVC Jacket (Inner PVC Jackets Color Code: Black and Yellow)																			
Round	1808A	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.