

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.

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: CMR CEC: CMG FT4	500 1000 4500	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	4.57	Duofoil® + 95% TC Braid 9.2 Ω/km***	0.275 6.99	6.99	75 82%	16.2 53.1	53.1	16.2 53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000 4500	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
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		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 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	1.02 mm 18 AWG Solid BC 30.2 Ω/km* 21.0 Ω/km**	0.180 4.57	4.57	Duofoil® + 95% TC Braid 9.2 Ω/km***	0.275 6.99	6.99	75 82%	16.2 53.1	53.1	16.2 53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000 4500	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
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		305 m put-up available in Black only.		Also available in bundled versions, see page 19.32.											



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 Digital Video 75°C 300V RMS	1694F	NEC: CMR CEC: CMG	1000	305	54.0	24.5	1.016 mm 19 AWG (7x27) BC 33.3 Ω/km* 27.8 Ω/km**	0.225 5.72	5.72	Double Braid + 99% TC Braid 5.5 Ω/km***	0.276 7.01	7.01	75 81%	16.2 53.1	53.1	16.2 53.1	1 3.6 10 71.5 135 270 360 540 720 750 1000 1500 2250 3000 4500	0.2 0.5 0.7 1.6 2.0 2.6 4.0 4.7 5.9 6.9 7.0 8.2 10.4 13.2 15.6 19.8	0.8 1.5 2.4 5.2 6.5 13.1 15.4 19.3 22.6 22.9 26.9 34.1 43.3 51.1 64.9
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															



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.

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



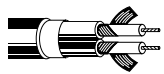
SPDF, FBAS,
Composite Video, Audio
0.8/3.7

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.