

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

152 m put-up available in Black only.
Also available in bundled versions, see page 19.32.

Gas-Injected Foam HDPE • Black FRNC Jacket

HDTV/SDI	1694ANH	IEC 332-3C	328	100	15.4	6.4	1.02 mm	0.180	4.57	Duofoil®	0.275	6.99	75	82%	16.2	53.1			
Digital Video		IEC 332-1	1000	305	46.2	19.6	18 AWG			+ 95% TC									
70°C		IEC 61034-1	1640	500	77.0	32.2	Solid BC			Braid									
		IEC 60331-11	4500	1372	207.7	88.2	30.2 Ω/km*			9.2 Ω/km***									
		IEC 60754-1					21.0 Ω/km**												
		IEC 60754-2																	



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

305 m put-up available in Black only.

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