

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	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
HDTV/SDI		CM	1000	305	8.0	3.6	28.5 AWG			+ 95% TC							5	1.9	6.1
Digital Video		CEC:					Solid BC			Braid							10	2.4	7.8
70°C		CMG FT4					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



0.3/1.4
RG-179

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

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
4500	47.5	155.8

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	1865A	NEC:	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
Digital Video		CMR					25 AWG			+ 95% TC							5	1.1	3.6
75°C		CEC:					(19x37) BC			Braid							71.5	3.7	12.1
		CMG FT4					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



0.5/2.4
RG-59/U Type

Nominal Delay: 4.068 ns/m
100% Sweep tested. 5 Mhz to 3 GHz.

Pulling Tension: 133 N

1000	13.9	45.6
1500	17.0	55.8
2250	20.8	68.2
3000	24.0	78.7

23 AWG • Solid 0.6 mm Bare Copper Conductor • Duofoil® • 95 % Tinned Copper Braid

Gas-Injected Foam HDPE Insulation • PVC Jacket

HDTV/SDI	1855A	NEC:	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
Digital Video		CMR	1000	305	16.0	7.3	23 AWG			+ 95% TC							3.6	0.8	2.6
75°C		CEC:					Solid BC			Braid							10	1.2	3.9
		CMG FT4					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



0.6/2.6
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: 160 N

152 m put-up available in Black only.

Also available in multiples, bundled. See page 19.31 and 19.33.

1500	10.5	34.4
1500	13.0	42.6
2000	15.1	49.5
2250	16.0	52.5
3000	18.5	60.7
4500	22.8	74.8

22 AWG • Solid 0.6 mm Tinned Copper • Duofoil® • 90 % Tinned Copper Braid

Gas-Injected Foam HDPE Insulation • Green with FRNC Jacket

HDTV/SDI	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
Digital Video			1640	500	30.9	14.0	22 AWG			+ 90% TC							135	3.5	11.5
75°C							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



0.6/2.8
RG-59/U Type

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.