



Unit 6/ 22 Waddikee Road Lonsdale SA 5160

(08) 8342 7444

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CLF195 Low Loss Coaxial Cable

Physical Characteristics

Item Code	Inner Conductor O.D. in (mm)	Dielectric O.D. in (mm)	Outer Conductor O.D. [in (mm)]	Standard Jacket [in (mm)]	Weight [Kg/m]
CLF195	0.35 (0.90) Bare Copper Wire	0.110 (2.79) Gas Injected Foamed Polyethylene	0.135 (3.40) Bonded Aluminum Foil Tinned Copper Wire 16x6/0.12mm Coverage 88%	0.193 (4.90) Black PVC	0.035

Electrical Characteristics

Nominal Impedance [Ohms]	Nominal Velocity of Propagation	Capacitance [pF/ft (pF/m)]	Nominal Attenuation		
			Frequency [MHz]	[dB/100ft]	[dB/100m]
50	83%	24.5 (80.4)	30	1.9	6.3
			50	2.4	8.1
			150	4.2	14.1
			220	5.1	17.1
			450	7.4	24.6
			900	10.5	35.0
			1500	13.7	45.6
			1800	14.5	48.0
			2000	15.9	53.0
			2500	17.8	59.5
			5800	27.9	93.1





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Electrical Specifications

Performance Property	Units		US	Metric
Cutoff Frequency	GHz	39		
Velocity of Propagation	%	83		
Dielectric Constant	NA	1.45		
Time Delay	nS/ft (nS/m)		1.22	4.02
Impedance	Ohms	50		
Capacitance	pF/ft (pF/m)		24.5	80.3
Inductance	uH/ft (uH/m)		0.061	0.20
Shielding Effectiveness	dB	>90		
DC Resistance				
Inner Conductor	Ohms/1000ft (/km)		5.4	17.6
Outer Conductor	Ohms/1000ft (/km)		4.9	16.1
Voltage Withstand	Volts DC	1000		
Jacket Spark	Volts RMS	3000		
Peak Power	kW	2.5		

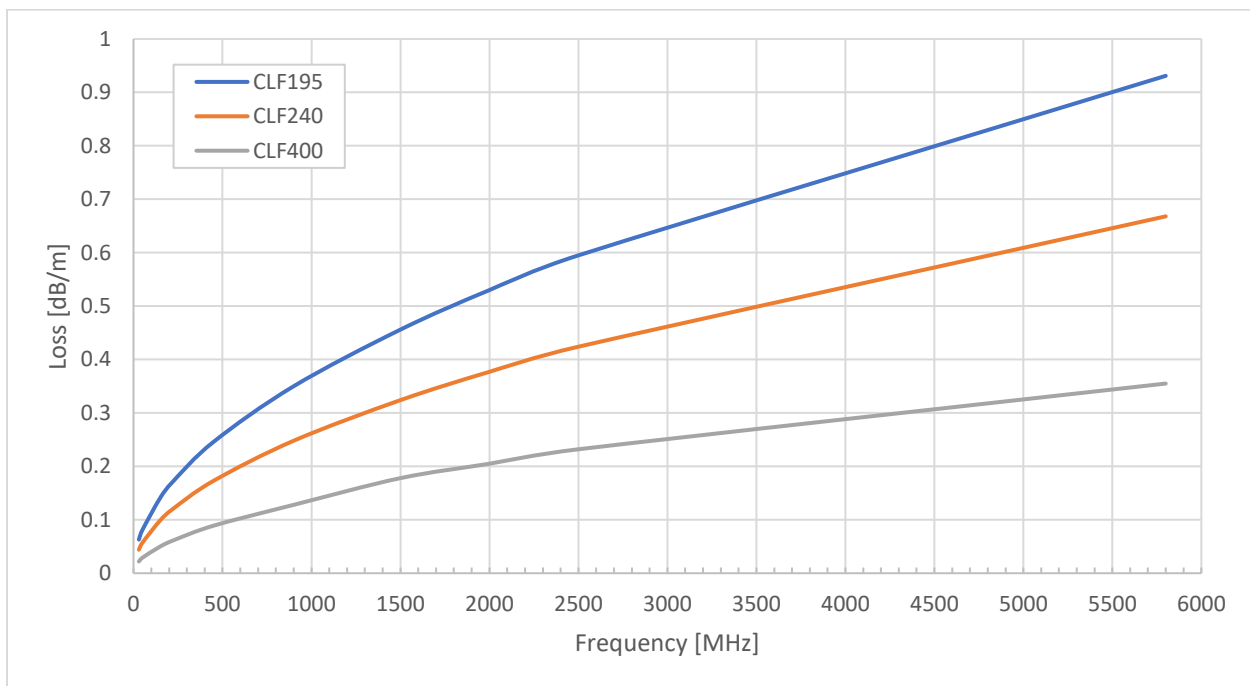


Figure 1. CLF195 Attenuation per meter

