

LOW LOSS CABLE

CLF400

Physical Characteristics

Type Nr.	Inner Conductor O.D. in (mm)	Dielectric O.D. in (mm)	Outer Conductor O.D. in (mm)	Standard Jacket in (mm)	Weight Kg/m
CLF400	.109 (2.77) Copper Cover Aluminum Wire	.285 (7.24) Gas Injected Foamed Polyethylene	.320 (8.13) Double Side Aluminum Foil Tinned copper Wier 24x7/0.16mm Coverage 90%	.405 (10.3) Black PVC	0.115

Electrical Characteristics

Nominal Impedance (ohms)	Nominal Velocity of Propagation	Capacitance PF/ft (pF/m)	Nominal Attenuation		
			MHz	dB/100ft	dB/100m
50	85%	24.0 (78.4)	30	0.7	2.2
			50	0.9	2.9
			150	1.5	5.0
			220	1.9	6.1
			450	2.7	8.9
			900	3.9	12.8
			1500	5.1	17.8
			2000	6.0	19.6
			2500	6.8	23.2
			5800	10.8	35.5

Electrical Specifications

Performance Property	Units		US	Metric
Cutoff Frequency	GHz	16.2		
Velocity of Propagation	%	85		
Dielectric Constant	NA	1.38		
Time Delay	nS/ft (nS/m)		1.20	3.92

Impedance	Ohms	50		
Capacitance	pF/ft (pF/m)		23.9	78.4
Inductance	uH/ft (uH/m)		0.060	0.20
Shielding Effectiveness	dB	>90		
DC Resistance				
Inner Conductor	Ohms/1000ft (/km)		1.39	4.6
Outer Conductor	Ohms/1000ft (/km)		1.65	5.4
Voltage Withstand	Volts DC	2500		
Jacket Spark	Volts RMS	8000		
Peak Power	kW	16		