

LOW LOSS CABLE

CLF200

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
CLF200	.044 (1.12) Bare Copper Wire	.116 (2.95) Gas Injected Foamed Polyethylene	.144 (3.66) Bonded Aluminum Foil Tinned Copper Wire 16x6/0.12mm Coverage 88%	.195 (4.95) Black PVC	0.037

Electrical Characteristics

Nominal Impedance (ohms)	Nominal Velocity of Propagation	Capacitance PF/ft (pF/m)	Nominal Attenuation		
			MHz	dB/100ft	dB/100m
50	83%	24.5 (80.4)	30	1.8	5.8
			50	2.3	7.5
			150	4.0	13.1
			220	4.8	15.9
			450	7.0	22.8
			900	9.9	32.6
			1500	12.9	42.4
			1800	14.2	46.6
			2000	15.0	49.3
			2500	16.9	55.4
5800	26.4	86.5			

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		

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