

Construction

Item	Material	Diameter (Inch / mm)	
Inner conductor	Silver plated copper clad steel	7 / 0.004 ±0.001	7 / 0.1 ±0.03
Dielectric	PTFE	0.063 ±0.003	1.6 ±0.08
Shield	95% Silver plated copper braid	0.081 ±0.004	2.06 ±0.1
Jacket	FEP	0.1 ±0.005	2.54 ±0.13

Electrical Characteristics

Capacitance (pF/m)	: 64
Impedance (Ω)	: 75 ±3
Velocity of propagation (%)	: 69.5
Conductor DCR (Ohm / km)	: 800.5
Outer shield DCR (Ohm / km)	: 27.9
Maximum operating frequency (MHz)	: 3,000
Maximum operating voltage (Vrms)	: 1,200
Corona extinction voltage (Vrms)	: 1,200
Voltage withstand (Vrms)	: 2,000
Spark test (Vrms)	: 2,000
Operating temperature range (°C)	: -55 to 200

Attenuation (at 20°C)

Frequency (MHz)	Maximum Attenuation (dB / 100 ft)	Maximum Attenuation (dB / 100 m)
10	5.3	17.4
50	7	23
100	8.2	26.9
200	12.5	41
400	16	52.5
700	19.7	64.6
900	25.5	83.7
1,000	26.3	86.3

Part Number Table

Description	Part Number
Cable, Coax, RG179,100 M	RG179

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