

Construction

Item	Material	Diameter	
		(Inch)	(mm)
Inner Conductor	Bare Copper	7/0.0063 ±0.001	7/0.16 ±0.03
Dielectric	Solid PE	0.06 ±0.003	1.52 ±0.08
Shield	90% Tinned Copper Braid	0.079 ±0.004	2 ±0.1
Jacket	PVC	0.11 ±0.005	2.8 ±0.13

Electrical Characteristics

Impedance	: 50Ω ±2Ω
Capacitance	: 101pF/m
Velocity of Propagation	: 66%
Max. Operating Frequency	: 1GHz
Max. Operating Voltage	: 1500V _{RMS}
Corona Extinction Voltage	: 1500V _{RMS}
Voltage Withstand	: 2000V _{RMS}
Spark Test	: 2000V _{RMS}
Operating Temp. Range	: -40°C to +85°C

Attenuation (@20°C)

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
50	6.4	21
100	9.8	32
200	14.6	48
400	21.3	70
600	25.9	85
860	32	105
1000	38.1	125

Part Number Table

Description	Length	Part Number
Coaxial Cable, RG174, PVC, Black	Per Meter or 100 Meter	RG174

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