

Construction

Item	Material	Diameter	
		(Inch)	(mm)
Inner Conductor	Tinned Copper	19/0.0071 ±0.002	19/0.18 ±0.05
Dielectric	Solid PE	0.116 ±0.004	2.95 ±0.1
Shield	95% Tinned Copper Braid	0.14 ±0.004	3.55 ±0.1
Jacket	PVC	0.195 ±0.004	4.95 ±0.1

Electrical Characteristics

Impedance	: 50Ω ±2Ω
Capacitance	: 101pF/m
Velocity of Propagation	: 66%
Max. Operating Frequency	: 1GHz
Max. Operating Voltage	: 1900V _{RMS}
Corona Extinction Voltage	: 1900V _{RMS}
Voltage Withstand	: 5000V _{RMS}
Spark Test	: 5000V _{RMS}
Operating Temp. Range	: -40°C to +85°C

Attenuation (@20°C)

Frequency (MHz)	Max. Attenuation (dB/100ft)	Max. Attenuation (dB/100m)
10	1.5	4.9
50	3.3	10.9
100	4.7	15.5
200	7.5	24.5
400	10.6	34.8
600	12.1	39.6
860	17.2	56.4
1000	18.4	60.5

Part Number Table

Description	Length	Part Number
Coaxial Cable, RG58 C/U, PVC, Black	Per Meter or 100 Meter	RG58C/U

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