

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	LSZH	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, LSZH, Black	Per Meter or 100 Meter	RG58

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