

Construction

Item	Material	Diameter	
		(Inch)	(mm)
Inner Conductor	Silver Plated Copper	7/0.029 ±0.001	7/ 0.75 ±0.03
Dielectric	Solid PE	0.285 ±0.007	7.25 ±0.18
First Shield	80% Silver Plated Copper Braid	0.315 ±0.007	8 ±0.18
Second Shield	90% Silver Plated Copper Braid	0.344 ±0.007	8.75 ±0.18
Jacket	PVC-black	0.425 ±0.007	10.8 ±0.18

Electrical Characteristics

Impedance	: 50 ±2Ω
Capacitance	: 101pF/m
Velocity of Propagation	: 66%
Max. Operating Frequency	: 11GHz
Max. Operating Voltage	: 3700 _{RMS}
Corona Extinction Voltage	: 5000V _{RMS}
Voltage Withstand	: 10000V _{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)
50	1.3	4.3
100	1.9	6.2
200	2.9	9.5
400	4.2	13.8
600	5.5	18.2
860	6.8	22.3
1000	7.5	24.5
1500	9.6	31.5
2000	11.1	36.4
3000	14.2	46.6

Part Number Table

Description	Length	Part Number
Coaxial Cable, Double Shield, RG214, PVC, Black	Per Meter or 100 Meter	RG214

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