

Construction

Item	Material	Diameter (inch/mm)	
Inner Conductor	Bare Copper	0.106 ± 0.001	2.69 ± 0.03
Dielectric	Solid PE	0.370 ± 0.01	9.40 ± 0.25
First Shield	95% Bare Copper Braid	0.400 ± 0.007	10.16 ± 0.18
Second Shield	94% Bare Copper Braid	0.430 ± 0.007	10.92 ± 0.18
Jacket	PVC	0.545 ± 0.01	13.84 ± 0.25

Electrical Characteristics

Capacitance (pF/m)	105.6
Impedance (Ω)	50 ± 2
Velocity of Propagation (%)	66.0
Conductor DCR (Ohm/km)	3.1
Max Operating Voltage (RMS)	5200.0
Corona Extinction voltage (VRMS)	7000.0
Voltage Withstand (VRMS)	12000.0
Spark Test (VRMS)	8000.0
Operating Temp Range (°C)	-40 to 85

Attenuation (@ 20 °C)

Frequency (MHz)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
10	0.4	1.3
50	1.0	3.4
100	1.4	4.6
200	2.1	6.9
400	3.7	12.1
1000	5.8	19.0
3000	14.0	45.9
5000	19.0	62.3
10000	31.0	101.7