


Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper Wire	0.91	0.036
2. Dielectric	PTFE	2.99	0.118
3. Outer Conductor	Tin-Plated 1100 Aluminum	3.58	0.141

Electrical Characteristics

Impedance	50 Ω
Velocity of Propagation	70%
Capacitance)	95.1 pF/m 29p F/Ft
Cutoff frequency	34 GHz
Corona Extinction Voltage @ 60Hz	1900 Vrms
Voltage Withstand @ 60Hz	5000 Vrms

Mechanical Characteristics

Min.Bending Radius Static	12.5 mm	0.492 inch
Weight	2.82 kg/100m	1.9 lbs/100ft

Environmental Characteristics

Operating Temperature Range(°C)	-40~+125
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Attenuation & Average Power @ 20°C and Sea Level

Frequency(GHz)	Attenuation		Power(W CW)
	dB/100m	dB/100Ft	
0.5	26	7.93	600
1.0	39	11.90	450
5.0	95	28.98	180
10.0	144	43.92	120
20.0	220	67.10	70