



I Construction Specification

Item	Material	Diameter (mm)
1 Inner Conductor	Bare Copper	1.12
2 Dielectric	Foam PE	2.95
3 Outer Conductor	Bonded Aluminum Foli, Coverage 100% Tinned Copper Braid, Coverage 89%	Nom. 3.66
4 Jacket	PE / PVC	4.95

II Electrical Characteristics

Capacitance (pF/m)	80.4
Impedance (ohm)	50
Velocity (%)	83
Inner Conductor DC Resistance (ohm/km)	18.38
Outer Conductor DC Resistance (ohm/km)	16.88
Jacket Voltage Withstanding (Vrms)	3000
Peak Power (KW)	2.5
Shielding Effectiveness (>dB)	90

III Mechanical and Enviromental Characteristics

Operating Temp (°C)	PE -40 ~ +80 PVC -20 ~ +70
Bending Radius (mm)	25
RoHS	Compliant

IV Attenuation and Average Power @ 20°C

Frequency (MHz)	Attenuation		Avg. Power (KW)
30	5.8 dB/100m	1.8 dB/100 Feet	0.91
50	7.5 dB/100m	2.3 dB/100 Feet	0.70
150	13.1 dB/100m	4.0 dB/100 Feet	0.40
220	15.9 dB/100m	4.8 dB/100 Feet	0.33
450	22.8 dB/100m	6.9 dB/100 Feet	0.23
900	32.6 dB/100m	9.9 dB/100 Feet	0.16
1500	42.4 dB/100m	12.9 dB/100 Feet	0.12
1800	46.6 dB/100m	14.2 dB/100 Feet	0.11
2000	49.3 dB/100m	15.0 dB/100 Feet	0.11
2500	60.2 dB/100m	18.3 dB/100 Feet	0.10
5800	86.5 dB/100m	26.4 dB/100 Feet	0.06