



Construction Specification

	Material	Diameter(mm)
1. Inner Conductor	Copper Clad Aluminum	4.47±0.03
2. Dielectric	Physical Foam Polyethylene	11.56±0.30
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	Nom.12.50
4. Jacket	Black Polyethylene	14.99±0.20
Drum Dimension: 550*270*500*18mm		

Electrical Characteristics

Capacitance (pF/ft)	23.4
Impedance (ohm)	50
Velocity (%)	87
Inner Conductor DC Resistance (Ω /1000ft)	<0.65
Outer Conductor DC Resistance (Ω /1000ft)	<1.5
Shielding Effectiveness (dB)	>90
Jacket Spark (VAC)	5000
Cutoff Frequency (GHz)	10.3
Peak Power (kW)	40
Return Loss (0.03~3000MHz, dB)	≤-18

Mechanical and Environmental Characteristics

Min. Bend Installation Radius (mm)	38.1
Min. Bend Repeated Radius (mm)	152.4
Storage Temp. (°C)	-40 to +85
Installation Temp. (°C)	-70 to +85
Operating Temp. (°C)	-40 to +85

Attenuation (20°C) and Avg. Power (40°C)

Frequency (MHz)	Typical Attenuation (dB/100ft)	Max Attenuation (dB/100ft)	Avg. Power(KW)
150	1.0	1.1	2.16
220	1.2	1.3	1.77
450	1.7	1.9	1.23
700	2.18	2.45	0.95
750	2.26	2.55	0.92
800	2.35	2.63	0.88
900	2.5	2.7	0.84
1500	3.3	3.7	0.63
1800	3.7	4.1	0.57
2000	3.9	4.3	0.54
2500	4.4	4.9	0.48
5800	7.3	8.2	0.29
6000	7.45	8.91	0.28