



Construction Specification

	Material	Diameter(mm)
1. Inner Conductor	Solid Copper	1.42±0.02
2. Dielectric	Physical Foam Polyethylene	3.81±0.15
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	Nom. 4.52
4. Jacket	Black Polyethylene	6.10±0.20

Electrical Characteristics

Capacitance (pF/ft)	24.2
Impedance (ohm)	50
Velocity (%)	84
Shielding Effectiveness (dB)	>90
Jacket Spark (VAC)	5000
Cutoff Frequency (GHz)	31
Peak Power (kW)	5.6
Return Loss ≤ dB (0.03~3000MHz)	-18

Mechanical and Environmental Characteristics

Min. Bend Installation Radius (mm)	19.1
Min. Bend Repeated Radius (mm)	63.5
Storage Temp. (°C)	-40 to+ 85
Installation Temp. (°C)	-70 to+ 85
Operating Temp. (°C)	-40 to+ 85

Attenuation and Avg. Power (20°C)

Frequency(MHz)	Typical Attenuation (dB/100ft)	Max Attenuation (dB/100ft)	Avg. Power(KW)
150	3.0	3.40	0.66
220	3.7	4.18	0.54
450	5.3	5.95	0.38
900	7.6	8.58	0.26
1500	9.9	11.18	0.20
1800	10.9	12.30	0.18
2000	11.5	13.00	0.17
2500	12.9	14.55	0.15
5800	20.4	23.00	0.10