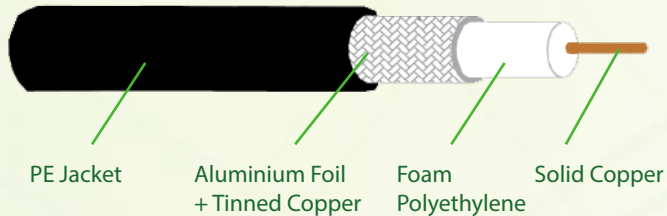


Construction Materials



	Material	Diameter (mm)
Inner Conductor	Solid Copper	2.74
Dielectric	Physical Foam Polyethylene	7.24
Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braids	8.13
Jacket	Black PVC or Polyethylene	10.29

Electrical Specification

Capacitance	77.1 pF/m
Impedance	50 Ω
Velocity	85%
Voltage	2.5 kV
Inner Conductor DC Resistance	2.92 Ω /km(CU)
Outer Conductor DC Resistance	5.41 Ω /km
Jacket Spark	8.0 kV
Shielding Effectiveness	>90 dB
Insulation resistance	>1 $\times$ 104 M Ω /km
Cut-off Frequency	16.2 GHz
Peak Power	16.0 kW
VSWR (Return Loss)	
5~3000MHz	≤ 1.25 (≥ 19 dB)
800~1000MHz	≤ 1.15 (≥ 23 dB)
1700~2000MHz	≤ 1.20 (≥ 21 dB)
2000~2400MHz	≤ 1.22 (≥ 20 dB)

Physical Dimensions

Inner Conductor Diameter	2.74 mm (0.108 in)
Dielectric Diameter	7.24 mm (0.285 in)
First Shield Diameter	7.39 mm (0.291 in)
Outer Conductor Diameter	8.00 mm (0.315 in)
Diameter Over Jacket	10.29 mm (0.405 in)

Mechanical & Environmental Specifications

Inner Conductor Diameter	2.74 mm (0.108 in)
Dielectric Diameter	7.24 mm (0.285 in)
First Shield Diameter	7.39 mm (0.291 in)
Outer Conductor Diameter	8.00 mm (0.315 in)
Diameter Over Jacket	10.29 mm (0.405 in)

Performance

Frequency MHz	Attenuation dB/100 m (dB/100ft)	AVERAGE POWER RATING KW
30	2.20 (0.67)	2.910
50	2.90 (0.88)	2.208
150	5.00 (1.52)	1.280
220	6.10 (1.86)	1.050
450	8.90 (2.70)	0.719
900	12.80 (3.90)	0.500
1500	16.80 (5.12)	0.381
1800	18.60 (5.67)	0.344
2000	19.60 (5.97)	0.327
2500	22.20 (6.77)	0.288
3000	24.80 (7.56)	0.258
5800	35.50 (10.82)	0.180