



1-5/8" coaxial cable fire retardant jacket

High Performance RF Coaxial Cable used for Transmission Lines. Competitively designed for simple installation in the toughest conditions.

Construction Materials

Inner Conductor	Helical Copper Tube
Dielectric	Physical Foam Polyethylene
Outer Conductor	Corrugated Copper Tube
Jacket	Low Smoke free Fire Retardant

Physical Dimensions

Inner Conductor Diameter	17.40 mm
Dielectric Diameter	42.80 mm
Outer Conductor Diameter	46.50 mm
Diameter Over Jacket	49.50 mm

Mechanical Specifications

Minimum Bending Radius	
Single Bending	200 mm
Repeated Bending	510 mm
Minimum Number of Bends	15
Tensile Strength	3300 N

Environmental Specifications

Storage Temperature	-55°C - +85°C
Installation Temperature	-40°C - +60°C
Operation Temperature	-55°C - +85°C

Electrical Specifications

Capacitance	76.0pF/m (23.2pF/ft)
Impedance	50 + 1 j
Velocity	88%
RF Peak Voltage	5.70 kV
Peak Power Rating	320 kW
Cut-off Frequency	2.80 GHz
Shielding Effectiveness>10MHz	> 120 dB
Insulation Resistance	5000 M Ω .km
VSWR	
0.8 - 1.0 GHz	< 1.10
1.7 - 2.2 GHz	< 1.10

Performance

Frequency MHz	Attenuation dB/100m	Attenuation dB/100ft	Average Power Rating (kW)
100	0.67	0.20	16.90
150	0.84	0.26	13.48
200	0.98	0.30	11.60
280	1.20	0.37	9.47
450	1.53	0.47	7.36
800	2.12	0.65	5.26
900	2.28	0.69	4.93
1000	2.42	0.74	4.61
1500	3.09	0.94	3.64
1800	3.45	1.05	3.27
2000	3.68	1.12	3.00
2200	3.91	1.19	2.85
2400	4.13	1.26	2.70
2500	4.24	1.29	2.61
3000	n/a	n/a	n/a

Standard Conditions

For Attenuation: VSWR 1.0, Cable Temperature 20 °C (68 °F)

For Average Power: VSWR 1.0, Ambient Temperature 40 °C (104 °F)

Inner Conductor Temperature 100 °C (212 °F). No solar loading

Prices based on the spot price of copper on the Shanghai nonferrous metal exchange (www.smm.com.cn)

Quoted prices are valid in the index range 55500~60000 70000-75000



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