



1/2" coaxial cable fire ratardant jacket

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

Construction Materials

Inner Conductor	Copper-Clad Aluminium Wire
Dielectric	Physical Foam Polyethylene
Outer Conductor	Corrugated Copper Tube
Jacket	Low Smoke free Fire Retardent

Physical Dimensions

Inner Conductor Diameter	4.80 mm
Dielectric Diameter	12.30 mm
Outer Conductor Diameter	13.80 mm
Diameter Over Jacket	15.70 mm

Mechanical Specifications

Minimum Bending Radius	
Single Bending	50 mm
Repeated Bending	125 mm
Minimum Number of Bends	15
Tensile Strength	1100 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	1.60 kV
Peak Power Rating	40 kW
Cut-off Frequency	8.8 GHz
Shielding Effectiveness>10MHz	> 120 dB
Insulation Resistance	5000 MΩ.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	2.15	0.66	3.94
150	2.67	0.81	3.17
200	3.08	0.94	2.75
280	3.73	1.14	2.27
450	4.70	1.43	1.80
800	6.35	1.94	1.33
900	6.75	2.06	1.25
1000	7.20	2.19	1.18
1500	9.05	2.76	0.95
1800	9.90	3.02	0.86
2000	10.05	3.06	0.81
2200	11.10	3.38	0.77
2400	11.60	3.54	0.75
2500	11.95	3.64	0.73
3000	13.20	4.02	0.65

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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