



1-1/4 coaxial cable PE jacket

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

Construction Materials

Inner Conductor	Smooth Copper Tube
Dielectric	Physical Foam Polyethylene
Outer Conductor	Corrugated Copper Tube
Jacket	Black PE

Physical Dimensions

Inner Conductor Diameter	13.00 mm
Dielectric Diameter	32.80 mm
Outer Conductor Diameter	35.80 mm
Diameter Over Jacket	38.60 mm

Mechanical Specifications

Minimum Bending Radius	
Single Bending	150 mm
Repeated Bending	380 mm
Minimum Number of Bends	15
Tensile Strength	2900 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)
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Impedance	50 + 1 j
Velocity	88%
RF Peak Voltage	4.30 kV
Peak Power Rating	205 kW
Cut-off Frequency	3.70 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	0.80	0.24	12.52
150	0.98	0.30	10.27
200	1.15	0.35	8.64
280	1.38	0.42	7.34
450	1.78	0.54	5.52
800	2.47	0.75	4.03
900	2.64	0.80	3.73
1000	2.80	0.85	3.50
1500	3.56	1.09	2.80
1800	3.96	1.21	2.50
2000	4.23	1.29	2.31
2200	4.48	1.37	2.19
2400	4.75	1.45	2.08
2500	4.84	1.48	2.02
3000	5.42	1.65	1.79

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

Actual prices shall be reconfirmed at time of order



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