

## 1/2 "superflex 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	Copper-Clad Aluminium Wire
Dielectric	Physical Foam Polyethylene
Outer Conductor	Corrugated Copper Tube
Jacket	Low Smoke free Fire Retardant

### Physical Dimensions

Inner Conductor Diameter	3.55 mm
Dielectric Diameter	8.70 mm
Outer Conductor Diameter	12.00 mm
Diameter Over Jacket	13.30 mm

### Mechanical Specifications

Minimum Bending Radius	
Single Bending	15 mm
Repeated Bending	30 mm
Minimum Number of Bends	15
Tensile Strength	650 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 $\hat{a}_{\text{m}}$
Velocity	88%
RF Peak Voltage	1.13 kV
Peak Power Rating	19 kW
Cut-off Frequency	12.50 GHz
Shielding Effectiveness>10MHz	> 120 dB
Insulation Resistance	5000 M $\hat{a}_{\text{m}}$ .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	3.22	0.98	3.03
150	4.05	1.23	2.39
200	4.65	1.42	2.11
280	5.65	1.72	1.69
450	7.20	2.19	1.37
800	9.86	3.01	1.00
900	10.56	3.22	0.94
1000	11.15	3.40	0.88
1500	13.80	4.21	0.70
1800	15.55	4.74	0.63
2000	16.40	5.00	0.59
2200	17.35	5.29	0.56
2400	18.10	5.52	0.53
2500	18.50	5.64	0.52
3000	20.90	6.37	0.48

## 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](http://www.smm.com.cn))

Quoted prices are valid in the index range 55500~60000

70000-75000



CostWORX is the leading wholesale distributor of telecom & technology infrastructure products, supplying globally through a network of local alliance partners.

Actual prices shall be reconfirmed at time of order

Orders are to be in multiples of 500m

Certification

CE Approved

UL Approved