



# Hangzhou Risingsun Cable Co., Ltd



**1-1/4" F-RF-AI**

Construction	Material	Diameter(mm)
Inner Conductor	Smooth Copper Tube	13.1
Dielectric	Physical Foam Polyethylene	33.3
Outer Conductor	Annular Corrugated Aluminum Tube	36.0
Jacket	PE/LSZH	38.6

## Electrical Characteristics

Impedance( $\Omega$ )	50	RF Peak Voltage(KV)	4.3
Velocity of Propagation(%)	88	Static Minimum Bending Radius	200mm
Insulation Resistance(M $\Omega$ .km)	>5000	Dynamic Minimum Bending Radius	350mm
Capacitance(pF/m)	76	Tensile Strength	2000N
Dielectric Strength	DC4000v	Storage Temp/ $^{\circ}$ C	-55~+85
Inner Conductor DCR(Ohm/km)	0.78	Installation Temp/ $^{\circ}$ C	-20~+60
Outer Conductor DCR(Ohm/km)	0.70	Operating Temp/ $^{\circ}$ C	-55~+85
Peak Power(KW)	205	VSWR	1.15

Frequency(Mhz)	Attenuation(dB/100m)	Average Power(KW)
100	0.82	12.52
200	1.19	8.64
450	1.85	5.52
800	2.57	4.03
900	2.74	3.73
1000	2.92	3.50
1500	3.70	2.80
1800	4.12	2.50
2000	4.39	2.31
2200	4.63	2.19
2400	4.88	2.08
2500	5.01	2.02
3000	5.63	1.79

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