



Hangzhou Risingsun Cable Co., Ltd



1/2" F-RF-AI

Construction	Material	Diameter(mm)
Inner Conductor	Copper Clad Aluminum	4.8
Dielectric	Physical Foam Polyethylene	12.3
Outer Conductor	Annular Corrugated Aluminum Tube	13.8
Jacket	PE/LSZH	15.7

Electrical Characteristics

Impedance(Ω)	50	RF Peak Voltage(KV)	1.8
Velocity of Propagation(%)	88	Static Minimum Bending Radius	70mm
Insulation Resistance(M Ω .km)	>5000	Dynamic Minimum Bending Radius	120mm
Capacitance(pF/m)	76	Tensile Strength	1200N
Dielectric Strength	DC4000v	Storage Temp/ $^{\circ}$ C	-55~+85
Inner Conductor DCR(Ohm/km)	1.6	Installation Temp/ $^{\circ}$ C	-20~+60
Outer Conductor DCR(Ohm/km)	1.9	Operating Temp/ $^{\circ}$ C	-55~+85
Peak Power(KW)	40	VSWR	1.15

Frequency(Mhz)	Attenuation(dB/100m)	Average Power(KW)
100	2.15	3.94
200	3.08	2.75
450	4.70	1.80
800	6.35	1.33
900	6.75	1.25
1000	7.20	1.18
1500	9.05	0.95
1800	9.90	0.86
2000	10.50	0.81
2200	11.10	0.77
2400	11.60	0.75
2500	11.95	0.73
3000	13.20	0.65

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