



Hangzhou Risingsun Cable Co., Ltd

RS CABLE



1/4" SF RF

Construction	Material	Diameter(mm)
Inner Conductor	Copper Clad Aluminum or Copper	1.9
Dielectric	Physical Foam Polyethylene	4.7
Outer Conductor	Helical Copper Tube	6.35
Jacket	PE/LSZH	7.5

Electrical Characteristics

Capacitance(pF/m)	80	Jacket Spark(KVrms)	3
Impedance(Ω)	50	Shielding Effectiveness(dB)	>120
Velocity of Propagation(%)	83	Min Single Bending Radius(mm)	50
Peak Power(KW)	6.4	Min Repeated Bending Radius(mm)	125
RF Peak Voltage(KV)	0.8	Number of Bends	15
Insulation Resistance(M Ω .km)	>5000	Tensile Strength(kg)	110
Cutoff Frequency(GHz)	20.4	Storage Temp/ $^{\circ}$ C	-55~+85
Insulation Voltage(KVrms)	2	Installation Temp/ $^{\circ}$ C	-20~+60
Inner Conductor DCR(Ohm/km)	10.2/6.4	Operating Temp/ $^{\circ}$ C	-55~+85
Outer Conductor DCR(Ohm/km)	7.02	VSWR	1.15

Frequency(Mhz)	Attenuation(dB/100m)	Average Power(KW)
100	5.60	1.23
200	8.00	0.86
450	12.20	0.57
800	16.70	0.42
900	17.50	0.39
1000	18.60	0.37
1500	23.40	0.30
1800	25.70	0.27
2000	26.90	0.26
2200	28.50	0.25
2400	30.00	0.24
2500	30.60	0.23
3000	33.50	0.21

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