



Hangzhou Risingsun Cable Co., Ltd



1/4" RF

Construction	Material	Diameter(mm)
Inner Conductor	Copper Clad Aluminum or Copper	2.4
Dielectric	Physical Foam Polyethylene	6.5
Outer Conductor	Corrugated Copper Tube	7.5
Jacket	PE/LSZH	9.1

Electrical Characteristics

Capacitance(pF/m)	76	Jacket Spark(KVrms)	3
Impedance(Ω)	50	Shielding Effectiveness(dB)	>120
Velocity of Propagation(%)	88	Min Single Bending Radius(mm)	38
Peak Power(KW)	11	Min Repeated Bending Radius(mm)	76
RF Peak Voltage(KV)	0.83	Number of Bends	15
Insulation Resistance(M Ω .km)	>5000	Tensile Strength(kg)	53
Cutoff Frequency(GHz)	18.6	Storage Temp/ $^{\circ}$ C	-55~+85
Insulation Voltage(KVrms)	2.2	Installation Temp/ $^{\circ}$ C	-20~+60
Inner Conductor DCR(Ohm/km)	6.1/4.0	Operating Temp/ $^{\circ}$ C	-55~+85
Outer Conductor DCR(Ohm/km)	3.7	VSWR	1.15

Frequency(Mhz)	Attenuation(dB/100m)	Average Power(KW)
100	4.25	1.87
200	6.10	1.30
450	9.37	0.85
800	12.72	0.62
900	13.55	0.58
1000	14.35	0.55
1500	17.80	0.44
1800	19.70	0.40
2000	20.80	0.37
2200	21.90	0.35
2400	23.00	0.34
2500	23.60	0.34
3000	26.10	0.30

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