



# Hangzhou Risingsun Cable Co., Ltd



**7/8" RF**

Construction	Material	Diameter(mm)
Inner Conductor	Smooth Copper Tube	9.0
Dielectric	Physical Foam Polyethylene	22.3
Outer Conductor	Corrugated Copper Tube	24.9
Jacket	PE/LSZH	27.5

## Electrical Characteristics

Capacitance(pF/m)	76	Jacket Spark(KVrms)	8
Impedance( $\Omega$ )	50	Shielding Effectiveness(dB)	>120
Velocity of Propagation(%)	88	Min Single Bending Radius(mm)	90
Peak Power(KW)	91	Min Repeated Bending Radius(mm)	250
RF Peak Voltage(KV)	3	Number of Bends	15
Insulation Resistance(M $\Omega$ .km)	>5000	Tensile Strength(kg)	147
Cutoff Frequency(GHz)	5.2	Storage Temp/ $^{\circ}$ C	-55~+85
Insulation Voltage(KVrms)	10	Installation Temp/ $^{\circ}$ C	-20~+60
Inner Conductor DCR(Ohm/km)	1	Operating Temp/ $^{\circ}$ C	-55~+85
Outer Conductor DCR(Ohm/km)	1.2	VSWR	1.15

Frequency(Mhz)	Attenuation(dB/100m)	Average Power(KW)
100	1.17	8.62
200	1.69	5.99
450	2.60	3.88
800	3.56	2.83
900	3.80	2.65
1000	4.03	2.50
1500	5.08	1.99
1800	5.61	1.79
2000	6.05	1.68
2200	6.40	1.59
2400	6.75	1.54
2500	6.90	1.50
3000	7.60	1.33

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