



Hangzhou Risingsun Cable Co., Ltd



1-1/4" RF

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

Electrical Characteristics

Capacitance(pF/m)	76	Jacket Spark(KVrms)	10
Impedance(Ω)	50	Shielding Effectiveness(dB)	>120
Velocity of Propagation(%)	88	Min Single Bending Radius(mm)	150
Peak Power(KW)	205	Min Repeated Bending Radius(mm)	380
RF Peak Voltage(KV)	4.3	Number of Bends	15
Insulation Resistance(M Ω .km)	>5000	Tensile Strength(kg)	290
Cutoff Frequency(GHz)	3.7	Storage Temp/ $^{\circ}$ C	-55~+85
Insulation Voltage(KVrms)	10	Installation Temp/ $^{\circ}$ C	-20~+60
Inner Conductor DCR(Ohm/km)	0.78	Operating Temp/ $^{\circ}$ C	-55~+85
Outer Conductor DCR(Ohm/km)	0.66	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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