



Hangzhou Risingsun Cable Co., Ltd



1-5/8" RF

Construction	Material	Diameter(mm)
Inner Conductor	Smooth Copper Tube	17.5
Dielectric	Physical Foam Polyethylene	43.5
Outer Conductor	Corrugated Copper Tube	46.5
Jacket	PE/LSZH	49.5

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)	200
Peak Power(KW)	320	Min Repeated Bending Radius(mm)	510
RF Peak Voltage(KV)	5.7	Number of Bends	15
Insulation Resistance(M Ω .km)	>5000	Tensile Strength(kg)	330
Cutoff Frequency(GHz)	2.8	Storage Temp/ $^{\circ}$ C	-55~+85
Insulation Voltage(KVrms)	15	Installation Temp/ $^{\circ}$ C	-20~+60
Inner Conductor DCR(Ohm/km)	0.91	Operating Temp/ $^{\circ}$ C	-55~+85
Outer Conductor DCR(Ohm/km)	0.52	VSWR	1.15

Frequency(Mhz)	Attenuation(dB/100m)	Average Power(KW)
100	0.67	16.90
200	0.98	11.60
450	1.53	7.36
800	2.12	5.26
900	2.28	4.93
1000	2.42	4.61
1500	3.09	3.64
1800	3.45	3.27
2000	3.68	3.00
2200	3.91	2.85
2400	4.13	2.70
2500	4.24	2.61

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