

RF 1-5/8" Cable

1-5/8 Corrugated Coaxial Cable



Construction Characteristic

Item	Material	Diameter(mm)
1. Inner Conductor	Helical Copper Tube	17.5
2. Dielectric	Physical Foam Polyethylene	43.5
3. Outer Conductor	Corrugated Copper Tube	46.5
4. Jacket	PE or Low Smoke Halogen Free Fire Retardant PE	49.5

Electrical Characteristic

Capacitance(pF/m)	76
Impedance(ohm)	50
Velocity of Propagation(%)	88
Peak Power(KW)	320
RF Peak Voltage(KV)	5.7
Insulation Resistance(MΩ.km)	>5000
Cutoff Frequency(GHz)	2.8
Insulation Voltage(KVrms)	15
Jacket Spark(KVrms)	10
Shielding Effectiveness(dB)	>120

Mechanical and Environmental Characteristic

Min Single Bending Radius(mm)	200
Min Repeated Bending Radius(mm)	510
No.of Bends	15
Tensile Strength(kg)	330
Storage Temp.(°C)	-55 to +85
Installation Temp.(°C)	-20 to +60
Operating Temp.(°C)	-55 to +85

Attenuation(VSWR1.0,Cable temp.20°C)and Average Power(VSWR1.0,ambient temp.40°C)

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
2700	4.64	2.42