

RF 1-1/4" Cable

1-1/4 Corrugated Coaxial Cable



Construction Characteristic

Item	Material	Diameter(mm)
1. Inner Conductor	Helical Copper Tube	13.1
2. Dielectric	Physical Foam Polyethylene	32.8
3. Outer Conductor	Corrugated Copper Tube	35.8
4. Jacket	PE or Low Smoke Halogen Free Fire Retardant PE	38.5

Electrical Characteristic

Capacitance(pF/m)	76
Impedance(ohm)	50
Velocity of Propagation(%)	88
Peak Power(KW)	205
RF Peak Voltage(KV)	4.3
Insulation Resistance(MΩ.km)	>5000
Cutoff Frequency(GHz)	3.7
Insulation Voltage(KVrms)	10
Jacket Spark(KVrms)	10
Shielding Effectiveness(dB)	>120

Mechanical and Environmental Characteristic

Min Single Bending Radius(mm)	150
Min Repeated Bending Radius(mm)	380
No.of Bends	15
Tensile Strength(kg)	290
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	0.82	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