

RF 1/2" Cable 1/2 Corrugated Coaxial Cable



Construction Characteristic

Item	Material	Diameter(mm)
1. Inner Conductor	Copper Clad Aluminum	4.8
2. Dielectric	Physical Foam Polyethylene	12.3
3. Outer Conductor	Corrugated Copper Tube	13.8
4. Jacket	PE or Low Smoke Halogen Free Fire Retardant PE	15.8

Electrical Characteristic

Capacitance(pF/m)	76
Impedance(ohm)	50
Velocity of Propagation(%)	88
Peak Power(KW)	40
RF Peak Voltage(KV)	1.6
Insulation Resistance(MΩ.km)	>5000
Cutoff Frequency(GHz)	8.8
Insulation Voltage(KVrms)	6
Jacket Spark(KVrms)	8.0
Shielding Effectiveness(dB)	>120

Mechanical and Environmental Characteristic

Min Single Bending Radius(mm)	50
Min Repeated Bending Radius(mm)	125
No.of Bends	15
Tensile Strength(kg)	110
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	2.15	3.94
200	3.08	2.75
450	4.70	1.80
800	6.35	1.33
900	6.75	1.25
1000	7.20	1.18
1500	9.05	0.95
1800	9.90	0.86
2000	10.50	0.81
2200	11.10	0.77
2400	11.60	0.75
2500	11.95	0.73
3000	13.20	0.65
4000	15.90	0.53
5000	18.20	0.47
6000	21.00	0.41