



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Copper Clad Aluminum Wire or Copper	2.60	0.1024
2. Dielectric	Foam PE	7.00	0.2756
3. Outer Conductor	Herical Corrugated Copper Tube	9.00	0.3543
4. Jacket	PE Black	10.40	0.4094

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	81%
Capacitance)	82pF/m 24.84pF/Ft
Peak Power Rating	12KW
RF Peek Voltage	1.13
Insulation Resistance	>5000MΩ.km
Cutoff frequency	13.4 GHz
Insulation Voltage	2.5KV
Inner Conductor DC Resistance	5.52Ω/km
Outer Conductor DC Resistance	5.25Ω/km
Jacket Spark	3.0KV
Shiuding Effectiveness	≥120dB

Mechanical Characteristics

Min.Bending Radius Static (mm)	15	0.5906
Min.Bending Radius Repeated(mm)	50	1.9685
Tensile Strength(Kg)	60	

Environmental Characteristics

Operating Temperature Range(°C)	-55~+85
Installation Temp.(°C)	-40~+60
Storage Temperature Range(°C)	-70~+85

Attenuation & Average Power @ 20°C and Seal Leavel

Frequency(MHz)	Attenuation		Power(KW CW)
	dB/100m	dB/100Ft	
100	4.20	1.28	3.52
200	5.96	1.82	2.25
300	7.39	2.25	1.98
400	8.61	2.63	1.70
450	9.18	2.80	1.59
800	12.51	3.82	1.17
900	13.30	4.06	1.10
1000	14.21	4.33	1.04
1800	19.50	5.95	0.75
2000	21.21	6.47	0.71
2200	22.82	6.96	0.67
2500	24.53	7.48	0.64
2700	25.49	7.77	0.60
3000	26.82	8.18	0.57
3500	29.73	9.07	0.53
3800	31.45	9.59	0.51
4000	32.54	9.92	0.50