


Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Solid Copper	1.42	0.0559
2. Dielectric	Foam Polyethylene	3.81	0.1500
3. Outer Conductor	Bonded Aluminum Foil	3.94	0.1551
4. Overall Braid	Tinned Copper	4.52	0.1780
5. Jacket	Black Polyethylene	6.10	0.2402

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	84%
Capacitance)	79.4pF/m 24.2pF/Ft
Shielding Effectiveness(dB)	>90
Inner Conductor DC Resistance	10.5Ω/km
Outer Conductor DC Resistance	12.8Ω/km

Mechanical Characteristics

Min.Bending Radius Static (mm)	19.1	0.7520
Min.Bending Radius Repeated(mm)	63.5	2.5000
Tensile Strength(N)	1400	
Weight(Kg/m)	0.05	

Environmental Characteristics

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

Attenuation & Average Power @ 20°C and Sea Level

Frequency(MHz)	Attenuation		Power(KW CW)
	dB/100m	dB/100Ft	
30	4.4	1.34	1.49
50	5.7	1.74	1.15
150	9.90	3.02	0.66
220	12.00	3.66	0.54
450	17.30	5.28	0.38
900	24.80	7.56	0.26
1500	32.40	9.88	0.20
1800	35.60	10.86	0.18
2000	37.70	11.50	0.18
2500	42.40	12.93	0.15
3000	46.10	14.06	0.14
5800	66.80	20.37	0.10
6000	73.82	22.52	0.08