


**Construction Specification**

	Material	Diameter	
		mm	inch
1. Inner Conductor	Solid Copper	0.46	0.018
2. Dielectric	Solid Polyethylene	1.52	0.060
3. Outer Conductor	Bonded Aluminum Foil	1.65	0.065
4. Overall Braid	Tinned Copper	2.11	0.083
5. Jacket	Low Smoke Halogen-free PO	2.79	0.110

**Electrical Characteristics**

Capacitance	101.1 pF/m	30.8 pF/ft
Impedance( $\Omega$ )	50	
Velocity (%)	66	
Inner Conductor DC Resistance( $\Omega$ /km)	266	
Outer Conductor DC Resistance( $\Omega$ /km)	31.2	
Shielding Effectiveness(dB)	>90	

**Mechanical Characteristics**

Cable Minimum Static Bend Radius	6.4mm	0.250inch
Cable Minimum Dynamic Bend Radius	25.4mm	1.000inch
Weight	0.014 kg/m	.0092 lb/ft

**Environmental Characteristics**

Storage Temp.( $^{\circ}$ C)	-70~ +85
Installation Temp.( $^{\circ}$ C)	-40~+85
Operating Temp( $^{\circ}$ C)	-40~+85

**Attenuation & Average Power @ 20 $^{\circ}$ C and Sea Level**

Frequency(MHz)	Attenuation		Power(KW CW)
	dB/100m	dB/100Ft	
30	12.90	3.90	0.230
50	16.70	5.10	0.180
150	29.40	8.90	0.100
220	35.80	10.90	0.083
450	51.90	15.80	0.057
900	74.90	22.80	0.039
1500	98.70	30.10	0.029
1800	109.00	33.20	0.027
2000	115.50	35.20	0.025
2500	130.60	39.80	0.022
3000	142.70	43.50	0.021
5800	210.30	64.10	0.013