



Construction Specification

	Material	Diameter(mm)	
		mm	inch
1. Inner Conductor	Solid Copper	1.78	.070
2. Dielectric	Foam Polyethylene	4.83	.190
3. Outer Conductor	Bonded Aluminum Foil	4.98	.196
4. Overall Braid	Tinned Copper	5.72	.225
5 Jacket	Black Polyethylene	7.62	.300

Electrical Characteristics

Capacitance	78.4 pF/m	23.9 pF/ft
Impedance	50 ohm	
Velocity	85%	
Inner Conductor DC Resistance	7.0 Ω/km	2.12 Ω/1000ft
Outer Conductor DC Resistance	7.3 Ω/km	2.21 Ω/1000ft
Shielding Effectiveness(dB)	> 90	

Mechanical Characteristics

Cable Minimum Static Bend Radius	22.2 mm	.88 inch
Cable Minimum Dynamic Bend Radius	76. 2 mm	3.0 inch
Weight	0.08 kg/m	.055 lb/ft

Environmental Characteristics

Storage Temp.(°C)	-70 to +85
Installation Temp.(°C)	-40 to +85
Operating Temp(°C)	-40 to +85

Attenuation & Average Power @ 20°C and Seal Leavel

Frequency(MHz)	Attenuation		Avg.Power(KW)
	dB/100 m	dB/100 Ft	
30	3.5	1.1	2.09
50	4.5	1.4	1.62
150	7.9	2.4	0.92
220	9.6	2.9	0.76
450	13.8	4.2	0.52
900	19.9	6.1	0.36
1500	26.0	7.9	0.28
1800	28.7	8.7	0.25
2000	30.3	9.2	0.24
2500	34.2	10.4	0.21
3000	37.2	11.3	0.20
5800	54.2	16.5	0.13
8000	65.0	19.8	0.11