



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Copper Clad Aluminium	3.61	.142
2. Dielectric	Foam Polyethylene	9.4	.370
3. Outer Conductor	Bonded Aluminum Foil	9.55	.376
4. Overall Braid	Tinned Copper	10.29	.405
5 Jacket	Black Polyethylene	12.70	.500

Electrical Characteristics

Capacitance	77.5PF/m	23.6 pF/ft
Impedance	50 ohm	
Velocity	86%	
Inner Conductor DC Resistance	2.7Ω/km	0.82 Ω/1000ft
Outer Conductor DC Resistance	4.2 Ω/km	1.27 Ω/1000ft
Shielding Effectiveness	> 90 dB	

Mechanical Characteristics

Cable Minimum Static Bend Radius	31.8 mm	1.25 inch
Cable Minimum Dynamic Bend Radius	127 mm	5 inch
Weight	0.14 kg/m	.097 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 Level

Frequency(MHz)	Attenuation		Avg.Power(KW)
	dB/100 m	dB/100 Ft	
30	1.8	0.5	4.400
50	2.3	0.7	3.393
150	4.0	1.2	1.931
220	4.9	1.5	1.583
450	7.1	2.2	1.088
900	10.3	3.1	0.752
1500	13.6	4.1	0.569
1800	15.0	4.6	0.515
2000	15.9	4.8	0.485
2500	18.0	5.5	0.428
3000	19.7	6.0	0.403
5800	29.1	8.9	0.264