


Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Copper Clad Aluminium	4.47	.176
2. Dielectric	Foam Polyethylene	11.56	.455
3. Outer Conductor	Bonded Aluminum Foil	11.71	.461
4. Overall Braid	Tinned Copper	12.45	.490
5 Jacket	Black Polyethylene	14.99	.590

Electrical Characteristics

Capacitance	76.6 PF/m	23.4 PF/ft
Impedance	50 ohm	
Velocity	87%	
Inner Conductor DC Resistance	1.7 Ω/km	0.53 Ω/1000ft
Outer Conductor DC Resistance	3.9 Ω/km	1.2 Ω/1000ft
Shielding Effectiveness	> 90 dB	

Mechanical Characteristics

Cable Minimum Static Bend Radius	38.1 mm	1.50 inch
Cable Minimum Dynamic Bend Radius	152.4 mm	6.00 inch
Weight	0.20 kg/m	.131 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	1.4	0.4	5.51
50	1.8	0.5	4.24
150	3.2	1.0	2.41
220	3.9	1.2	1.97
450	5.6	1.7	1.35
900	8.2	2.5	0.93
1500	10.9	3.3	0.70
1800	12.1	3.7	0.63
2000	12.8	3.9	0.59
2500	14.5	4.4	0.52
3000	15.9	4.8	0.49
5800	23.8	7.3	0.32