



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	19 AWG Stranded BC	0.96	0.0378
2. Dielectric	Foam PE	2.79	0.1098
3. Outer Conductor	Aluminum Tape	2.95	0.1161
4. Overall Braid	Tinned Copper	3.53	0.1390
5. Jacket	Black Thermoplastic Elastomer	4.95	0.1949

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	83%
Capacitance)	80.3pF/m 24.5pF/Ft
Peak Power Rating	2.5KV
DC Test voltage	1000V
Insulation Resistance	>10000MΩ.km
Cutoff frequency	6 GHz
Inner Conductor DC Resistance	<33Ω/km
Outer Conductor DC Resistance	<16Ω/km

Mechanical Characteristics

Min.Bending Radius Static (mm)	12.7	0.5000
Min.Bending Radius Repeated(mm)	50.8	2.0000
Weight(Kg/Km)	30	

Environmental Characteristics

Operating Temperature Range(°C)	-40~+85
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Attenuation & Average Power @ 20°C and Seal Leavel

Frequency(MHz)	Attenuation		Power(KW CW)
	dB/100m	dB/100Ft	
30	7.54	2.30	0.78
50	9.84	3.00	0.61
150	17.38	5.30	0.35
220	20.98	6.40	0.28
450	30.49	9.30	0.20
900	43.28	13.20	0.14
1500	56.72	17.30	0.10
1800	62.30	19.00	0.09
2000	65.90	20.10	0.09
2500	74.10	22.60	0.08
5800	116.72	35.60	0.05