



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Stranded Silver Plated Copper(19x0.46)	2.30	0.0906
2. Dielectric	LD PTFE	6.00	0.2362
3. Outer Conductor	Silver Wrapped Silver Plated Copper Tape	6.33	0.2492
4. Interlayer	PTFE	6.60	0.2598
5. Outer shields	Silver Plated Copper Braid	7.05	0.2776
6. Jacket	GREY FEP	7.70	0.3031

Electrical Characteristics

Impedance	50 Ω
Velocity of Propagation	83%
Withstand voltage	2500 VDC
Cutoff frequency	18 GHz
Shielding Effectiveness	90 dB
Bending Phase	$\pm 7^\circ$ @18GHz
Amplitude Stabilization	± 0.15 dB @18GHz

Mechanical Characteristics

Min.Bending Radius Static (mm)	41	1.614
Min.Bending Radius Repeated(mm)	82	3.228
Weight(Kg/Km)	124	

Environmental Characteristics

Operating Temperature Range($^\circ\text{C}$)	-55~+125
Installation Temp.($^\circ\text{C}$)	-55~+125
Storage Temperature Range($^\circ\text{C}$)	-65~+125

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

Frequency(MHz)	Attenuation		Power(KW CW)
	dB/100m	dB/100Ft	
300	9.80	32.144	3.340
500	12.70	41.656	2.578
1000	18.10	59.368	1.811
2000	25.90	84.952	1.269
3000	31.90	104.632	1.029
4000	37.10	121.688	0.886
6000	45.80	150.224	0.717
8000	53.40	175.152	0.616
10000	60.10	197.128	0.547
12000	66.20	217.136	0.496
16000	77.30	253.544	0.425
18000	82.40	270.272	0.399