



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	0.91	0.036
2. Dielectric	LD PTFE	2.50	0.098
3. Outer Conductor	Spiral Wrapped Silver Plated Copper Tape +Silver Plated Copper Braid	3.20	0.126
4. Jacket	BLACK ETFE	3.60	0.142

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	83%
Capacitance	80 pF/m
Inductance	0.31 uH/m
Time Delay	4.02 nS/m
Operation frequency	46 GHz
Dielectric withstanding voltage	1000 VRMS
Shielding Effectiveness	90 dB
Peak Power Rating	2.5 KW

Mechanical Characteristics

Min.Bending Radius (mm)	18
Cable Minimum Dynamic Bend Radius(mm)	36
Weight	33g/m

Environmental Characteristics

Operating Temp(°C)	-65~+165
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Attenuation & Average Power @ 20°C and Seal Level

Frequency(GHz)	Attenuation		Avg.Power (W)
	dB/1m	dB/1Ft	
0.5	0.264	0.080	726
1.0	0.375	0.114	511
3.0	0.657	0.200	292
5.0	0.854	0.260	225
10.0	1.224	0.373	157
12.4	1.369	0.417	140
18.0	1.667	0.507	115
26.5	2.048	0.623	94
40.0	2.557	0.778	75