



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	0.51	0.0201
2. Dielectric	PTFE	1.43	0.0563
3. Outer Conductor	Silver Plted Copper Braid	1.55	0.0610
3. Outer Shields	Silver Plted Copper Wire	1.90	0.0748
4. Jacket	PTFE + Polyimide	2.60	0.1024

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	80%
Operation Frequency (GHz)	18 GHz
Voltage Withstand (V.DC)	500 V
Shielding Effectiveness	90 dB

Mechanical Characteristics

Min.Bending Radius (mm)	15
Repeated.Bending Radius (mm)	30
Weight	13 g/m

Environmental Characteristics

Operating Temp(°C)	-55~+300
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Attenuation & Average Power @ 20°C and Sea Level

Frequency(GHz)	Attenuation		Avg.Power (W)
	dB/1m	dB/1Ft	
0.3	0.342	0.10	500
1.0	0.631	0.19	271
1.5	0.777	0.24	220
2.0	0.901	0.27	190
3.0	1.112	0.34	154
4.0	1.291	0.39	132
6.0	1.597	0.49	107
8.0	1.86	0.57	92
10.0	2.095	0.64	82
12.0	2.310	0.70	74
14.0	2.510	0.76	68
18.0	2.877	0.88	59

根据友为新YW9007-01