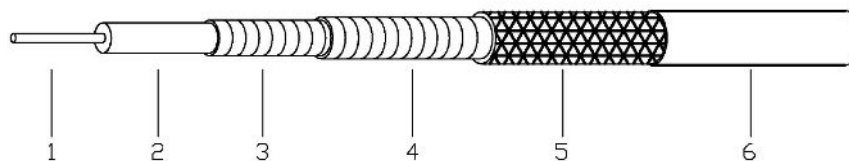


ROTA-197



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	1.45	0.0571
2. Dielectric	PFA	3.90	0.1043
3. Outer Conductor 1	Silver Plated copper Tape	4.10	0.1614
4. Buffer Layer	PTFE	4.32	1.1043
5. Outer Conductor 2	Silver Plated Copper Wire	4.63	0.1299
6. Jacket	FEP	5.00	0.1496

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	82%
Shielding Effectiveness	90 dB
Operation Frequency (GHz)	26.5 GHz
Temperature Phase	300 PPM (-40~+60℃)
Voltage Withstand (V.DC)	3000

Mechanical Characteristics

Min.Bending Radius Static (mm)	20
Cable Minimum Dynamic Bend Radius(mm)	50
Weight	58 g/m

Environmental Characteristics

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

Frequency(GHz)	Attenuation		Power(KW CW)
	dB/1m	dB/1Ft	
0.3	0.158	0.0482	1.875
1.0	0.295	0.0899	1.006
2.0	0.426	0.1299	0.698
4.0	0.617	0.1882	0.481
6.0	0.771	0.2351	0.385
8.0	0.905	0.2760	0.329
10.0	1.025	0.3126	0.290
12.0	1.137	0.3468	0.261
14.0	1.242	0.3788	0.239
16.0	1.342	0.4093	0.221
18.0	1.437	0.4382	0.207
20.0	1.528	0.4660	0.194
26.5	1.806	0.5508	0.165