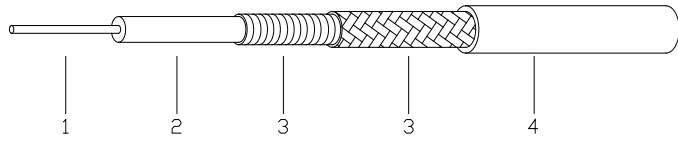


AFLEX-047 (110GHz)



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	0.29	0.0114
2. Dielectric	PTFE	0.94	0.037
3. Outer Conductor	Silver Plated Copper Foil + Silver Plated Copper	1.32	0.052
4. Jacket	Blue FEP	1.5	0.059

Electrical Characteristics

Impedance	50 ohm
Velocity of Propagation	70%
Operation Frequency (GHz)	110 GHz
Voltage Withstand (V.DC)	500 V
Shielding Effectiveness	90 dB

Mechanical Characteristics

Min. Bending Radius (mm)	6
Weight	22 g/m

Environmental Characteristics

Operating Temp(°C)	-55~+125
--------------------	----------

Attenuation & Average Power @ 20°C and Seal Level

Frequency(GHz)	Attenuation		Avg. Power (W)
	dB/1m	dB/1Ft	
0.3	0.647	0.20	69
1.0	1.198	0.36	37
2	1.715	0.52	26
4	2.467	0.75	18
6	3.061	0.93	15
8	3.572	1.09	12
10	4.032	1.23	11
12	4.454	1.36	10
18	5.574	1.70	8
40	8.78	2.67	5
50	10.005	3.05	4
67	11.908	3.62	3
75	12.746	3.88	2
110	16.123	4.91	1