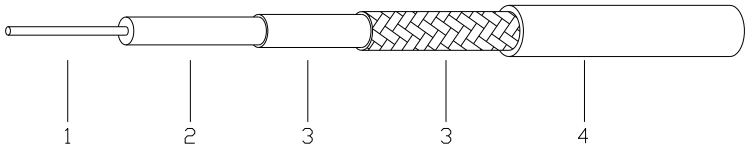
EP141



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	0.94	0.037
2. Dielectric	LD-PTFE	2.75	0.108
3. Outer Conductor	Bonded Aluminum Foil+Silver Plated Copper	3.27	0.129
4. Jacket	BLUE FEP	3.60	0.142

Electrical Characteristics

Impedance	50 Ω
Velocity of Propagation	76%
Dielectric Constant	1.73
Shielding Effectiveness(dB)	＞90
Time Delay(nS/m)	4.38
Operating frequency(GHz)	18
Voltage Withstand (V.DC)	800
Peak Power(W)	1500

Mechanical Characteristics

Min.Bending Radius Static (mm)	14	0.551
Cable Minimum Dynamic Bend Radius (mm)	35	1.378
Weight(Kg/Km)	29	

Environmental Characteristics

Operating Temperature Range(℃)	-55~+125

Attenuation & Average Power @ 20℃ and Sea Leavel

Frequency(GHz)	Attenuation		Power(Watts CW)
	dB/100m	dB/100Ft	
0.3	20.90	6.37	850
0.5	27.10	8.26	656
1.0	38.50	11.73	461
2.0	55.00	16.76	323
3.0	67.80	20.67	262
4.0	78.70	23.99	226
6.0	97.40	29.69	182
8.0	113.3	34.53	157
10.0	127.60	38.89	139
12.0	140.60	42.85	126
16.0	164.20	50.05	108
18.0	175.00	53.34	101