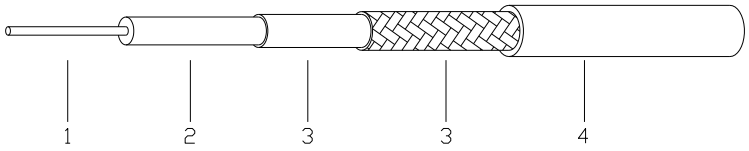
ET307



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	2.30	0.091
2. Dielectric	ND-PTFE	6.70	0.264
3. Outer Conductor	Bonded Aluminum Foil+Silver Plated Copper	7.33	0.289
4. Jacket	BLUE FEP	7.80	0.307

Electrical Characteristics

Impedance	50 Ω
Velocity of Propagation	76%
Dielectric Constant	1.73
Shielding Effectiveness(dB)	＞90
Time Delay(nS/m)	4.38
Cutoff frequency(GHz)	16
Voltage Withstand (V.DC)	2000
Peak Power(W)	10K

Mechanical Characteristics

Min.Bending Radius Static (mm)	39	1.535
Cable Minimum Dynamic Bend Radius (mm)	78	3.071
Weight(Kg/Km)	110	

Environmental Characteristics

Operating Temperature Range(℃)	-55~+125

Attenuation & Average Power @ 20℃ and Sea Leavel

Frequency(GHz)	Attenuation		Power(Watts CW)
	dB/100m	dB/100Ft	
0.05	3.21	0.98	7850
0.1	4.57	1.39	5519
0.3	8.03	2.45	3141
0.5	10.47	3.19	2409
1.0	15.07	4.59	1674
2.0	21.83	6.65	1155
3.0	27.23	8.30	926
4.0	31.93	9.73	790
5.0	36.17	11.02	697
6.0	37.32	11.38	717
8.0	40.09	12.22	629
10.0	47.25	14.40	534
12.0	59.85	18.24	421
13.5	64.18	19.56	393