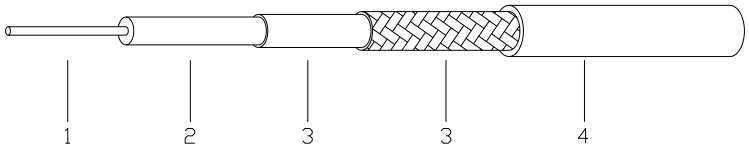
ET205



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper	1.45	0.057
2. Dielectric	ND-PTFE	4.30	0.169
3. Outer Conductor	Bonded Aluminum Foil+Silver Plated Copper	4.78	0.188
4. Jacket	BLUE FEP	5.20	0.205

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)	25
Voltage Withstand (V.DC)	1500
Peak Power(W)	5000

Mechanical Characteristics

Min.Bending Radius Static (mm)	26	1.024
Cable Minimum Dynamic Bend Radius (mm)	52	2.047
Weight(Kg/Km)	60	

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	5.13	1.56	3552
0.1	7.29	2.22	2500
0.3	12.76	3.89	1428
0.5	16.60	5.06	1098
1.0	23.79	7.25	766
2.0	34.29	10.45	532
3.0	42.59	12.98	428
4.0	49.76	15.17	366
5.0	56.21	17.13	324
6.0	62.14	18.94	293
8.0	72.92	22.23	250
10.0	82.68	25.20	220
12.0	91.71	27.95	199
13.5	98.11	29.90	186