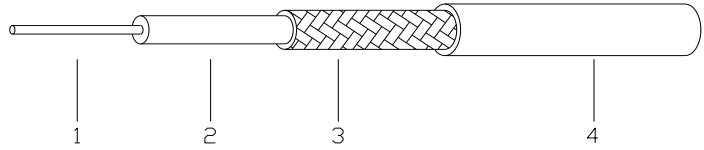


HF086FEP(BK)



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Silver Plated Copper Clad Steel	0.53	0.021
2. Dielectric	PTFE	1.68	0.066
3. Outer Conductor	Tin Soaked Copper Braid	2.17	0.085
4. Jacket	Black FEP	2.6	0.102

Electrical Characteristics

Capacitance	98 PF/m	29.99 PF/Ft
Impedance	50 Ohm	
Velocity of Propagation	70%	
Cutoff frequency	61 GHz	
Time Delay	4.7 nS/m	1.433 nS/Ft
Max.Operating Voltage	1.5 kV/rms	
Min.Screening Effectiveness up to 18GHz	100 dB	

Mechanical Characteristics

Min.Bending Radius Static(mm)	6 mm	0.236 inch
Min.Bending radius Repeated(mm)	20 mm	0.787 inch

Environmental Characteristics

Operating Temp(°C)	-55~+125
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Attenuation & Average Power @ 20°C and Seal Leavel

Frequency(GHz)	Attenuation		Avg.Power (W)
	dB/100m	dB/100Ft	
0.5	49.00	14.95	338
1.0	72.00	21.96	219
5.0	180.00	54.90	80
10.0	267.00	81.44	52
18.0	373.00	113.77	36