

HSF-047-FEP**Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper clad steel	0.0113	0.29
Dielectric	PTFE	0.037	0.94
Outer Conductor	Tin Dipped Copper Braid	0.047	1.19
Jacket	Blue FEP	0.063	1.60

Electrical & Mechanical Characteristics

Capacitance (pF/m)	95.1
Impedance (Ω)	50+/-2
Velocity of Propagation (%)	70.0
Max Operating Frequency (GHz)	20.0
Max Operating Voltage (VRMS)	1500.0
Min Shielding Effectiveness (dB)	100.0
Time Delay(ns/m)	4.7
Min. Inside Bend Radius (mm)	4.0
Operating Temp Range ($^{\circ}\text{C}$)	-55 to +155

Attenuation & Average Power(20 $^{\circ}\text{C}$ & Seal Level)

Frequency(GHz)	Max Attenuation dB/ft. (dB/meter)	Power (Watts CW)
0.5	0.25 (0.82)	45
1.0	0.36 (1.18)	32
5.0	0.82 (2.69)	13
10.0	1.28 (4.20)	10
20.0	1.76 (5.78)	7

