

HSF-141-FEP**Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper clad steel	0.0359	0.91
Dielectric	PTFE	0.1175	2.98
Outer Conductor	Tin Dipped Copper Braid	0.141	3.58
Jacket	Blue FEP	0.161	4.10

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)	1900.0
Min Shielding Effectiveness (dB)	100.0
Time Delay(ns/m)	4.7
Min. Inside Bend Radius (mm)	8.0
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	0.08 (0.26)	600.0
1.0	0.12 (0.39)	425.0
5.0	0.30 (0.99)	190.0
10.0	0.46 (1.52)	134.0
20.0	0.73 (2.39)	95.0

