

**HSF-0865-FEP****Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper clad steel	0.0201	0.51
Dielectric	PTFE	0.066	1.68
Outer Conductor	Tin Dipped Copper Braid	0.0865	2.20
Jacket	Blue FEP	0.106	2.69

**Electrical & Mechanical Characteristics**

Capacitance (pF/m)	95.1
Impedance ( $\Omega$ )	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	0.15 (0.49)	173.5
1.0	0.20 (0.67)	121.5
5.0	0.50 (1.64)	52.2
10.0	0.75 (2.46)	35.8
20.0	1.10 (3.60)	24.3

