

**HSF-250C-FEP****Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper	0.0641	1.63
Dielectric	PTFE	0.209	5.30
Outer Conductor	Tin Dipped Copper Braid	0.250	6.35
Jacket	FEP	0.276	7.00

**Electrical & Mechanical Characteristics**

Capacitance (pF/m)	95.1
Impedance ( $\Omega$ )	50+/-2
Velocity of Propagation (%)	70.0
Max Operating Frequency (GHz)	18.0
Max Operating Voltage (VRMS)	3500.0
Min Shielding Effectiveness (dB)	100.0
Time Delay(ns/m)	4.7
Min. Inside Bend Radius (mm)	30.0
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	0.05 (0.17)	1300.0
1.0	0.08 (0.25)	920.0
5.0	0.19 (0.63)	411.0
10.0	0.31 (1.03)	291.0
18.0	0.47 (1.54)	217.0

