

**HSF-141C****Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper	0.0359	0.91
Dielectric	PTFE	0.1175	2.98
Outer Conductor	Tin Dipped Copper Braid	0.141	3.58

**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)	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

