

## SF-047



### Construction

Item	Material	Diameter	Remark
Center Conductor	SPCW	0.29 mm ( 0.0114 inch )	Solid
Dielectric	PTFE	0.94 mm ( 0.037 inch )	Solid
Outer Conductor	Tin Plated Copper Braid & Tin Soaked	1.19 mm ( 0.047 inch )	100% Coverage

### Electrical & Mechanical Data

Characteristic Impedance	50 $\Omega$
Operating Frequency	20 GHz ( Max. )
Velocity of Propagation	70%
Capacitance	95 pF/m
Operating Temperature	- 40 °C ~ 165 °C
Shield Effectiveness	< -110 dB
Working Voltage	1,000 Vrms ( Max. )
Weight	5.3 kg / km
Min. Bending Radius	3.2 mm ( Single )

### Attenuation

Frequency (GHz)	Max. Attenuation	
	(dB/m)	(dB/ft)
0.5	0.91	0.277
1	1.29	0.393
5	2.85	0.868
10	3.99	1.216
18	5.49	1.673
20	5.87	1.789