

## SF-141 100Ω



### Construction

Item	Material	Diameter	Remark
Center Conductor	SPCW	0.28 mm ( 0.0114 inch )	Solid
Dielectric	PTFE	2.99 mm ( 0.116 inch )	Solid
Outer Conductor	Tin Plated Copper Braid & Tin Soaked	3.58 mm ( 0.141 inch )	100% Coverage

### Electrical & Mechanical Data

Characteristic Impedance	100 Ω
Operating Frequency	20 GHz ( Max. )
Velocity of Propagation	70 %
Capacitance	47.6 pF/m
Operating Temperature	- 40°C ~ 165°C
Shield Effectiveness	< -100 dB
Working Voltage	1.900 Vrms ( Max. )
Min. Bending Radius	8 mm ( Single ), 40 mm ( Dynamic )

### Attenuation

Frequency (GHz)	Max. Attenuation		Power (W)
	(dB/m)	(dB/ft)	
0.5	0.35	0.107	245.50
1.0	0.50	0.152	172.15
5.0	1.16	0.354	74.46
10.0	1.69	0.515	51.54
20.0	2.49	0.759	35.08