

SF-047 NJ**Hand Formable Coaxial Cable**

TC (Tin Plated Copper Braid & Tin Soaked)
 PTFE (Solid PTFE)
 SPCW (Silver Plated Copper Clad Steel Wire)

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 Ω
Operating Frequency	20 GHz (Max.)
Velocity of Propagation	70%
Capacitance	95 pF/m
Operating Temperature	- 40 $^{\circ}$ C ~ 165 $^{\circ}$ 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