

**SF-085 NJ****Hand Formable Coaxial Cable****Construction**

Item	Material	Diameter	Remark
Center Conductor	SPCW	0.53 mm ( 0.021 inch )	Solid
Dielectric	PTFE	1.65 mm ( 0.065 inch )	Solid
Outer Conductor	Tin Plated Copper Braid & Tin Soaked	2.16 mm ( 0.085 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	1500 Vrms ( Max. )
Weight	16.0 kg / km
Min. Bending Radius	6 mm ( Single )

**Attenuation**

Frequency (GHz)	Max. Attenuation	
	(dB/m)	(dB/ft)
0.5	0.49	0.149
1	0.72	0.219
5	1.64	0.500
10	2.62	0.799
18	3.45	1.052
20	4.27	1.301