

**Semi-Form Coaxial Cable**
**RSF-141-FEP**

**Material And Diameter**

Connector parts	Material	Diameter
Inner Conductor	Steel, Copper + Silver plated (Solid)	0.92 mm (.036 inch)
Dielectric	PTFE (Polytetrafluoroethylene)	2.95 mm (.116 inch)
Braid	Copper, Tin plated	3.58 mm (.141 inch)
Jacket	FEP (Fluorinated ethylene propylene)	4.10 mm (.161 inch)

**Electrical Data**

Impedance	50 $\Omega$
Frequency	DC to 26.5 GHz
Capacitance	95.2 pF/m
Velocity of signal propagation	70 %
Signal delay	4.72 ns/m
Insulation resistance	$\geq 1 \times 10^8$ M $\Omega$ /m
Screening effectiveness	$\geq 90$ dB (up to 18 GHz)
Operating Voltage Max. ( Vrms @ 60 Hz )	$\leq 1.9$ kVrms (@ sea level)

**Mechanical Data**

Weight	47 g/m
Min. bending radius	9.53 mm

**Environmental Data**

Temperature range	-40°C to +120°C
RoHS (2011/65/EU)	compliant

**Typical Attenuation**

Frequency (GHz)	Typical Attenuation (dB/m) @ 25°C sea level	Typical Attenuation (dB/ft) @ 25°C sea level	Max. CW power (Watt) @ 40°C sea level
0.5	0.30	0.09	491.7
1	0.46	0.14	343.2
5	1.12	0.34	145.5
10	1.64	0.50	99.1
18	2.33	0.71	70.8
26.5	2.95	0.90	56.4