

Technical Data Sheet

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 Ω
Frequency	DC to 26.5 GHz
Capacitance	95.2 pF/m
Velocity of signal propagation	70 %
Signal delay	4.72 ns/m
Insulation resistance	≥ 1 x 10 ⁸ MΩ/m
Screening effectiveness	≥ 90 dB (up to 18 GHz)
Operating Voltage Max. (Vrms @ 60 Hz)	≤ 1.9 kVrms (@ sea level)

Mechanical Data

Weight	47 g/m 9.53 mm
Min. bending radius	9.33 mm

Environmental Data

Temperature range RoHS (2011/65/EU)

-40°C to +120°C

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
]	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

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only	Kev.:-	Rosnol RF/Microwave Technology www.rosnol.com ; info@rosnol.com	Page
In the effort to improve our products, we reserve the right to make changes judged to be necessary.	Date: 19/11/10	Phone:+886-3-463-5095 Fax:+886-3-463-5952	1/1