

## Coaxial Cable 50 Ω - PTFE - Handformable Microwave Cable

### RSF-250



#### Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Steel, Copper+Silver plated (SPCW)	1.67 mm
Dielectric	PTFE (Polytetrafluoroethylene)	5.24 mm
Outer Shield	Copper, Tin plated	6.35 mm

#### Electrical Data

Impedance	50 Ω ± 2
Frequency	DC to 18 GHz
Capacitance	95.2 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Insulation resistance	≥ 1 × 10 <sup>8</sup> MΩ/m
Screening effectiveness	≥ 100 dB (up to 18 GHz)
Operating voltage	≤ 3.5 kVrms (@ sea level)

#### Mechanical Data

Weight	138.3 g/m
Min. bending radius	12.70 mm

#### Environmental Data

Temperature range	-40°C to +120°C
Installation temperature	-20°C to +60°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	0.20	0.06	1207.2
1	0.26	0.08	834.5
5	0.69	0.21	341
10	1.05	0.32	226.5
18	1.54	0.47	157.6