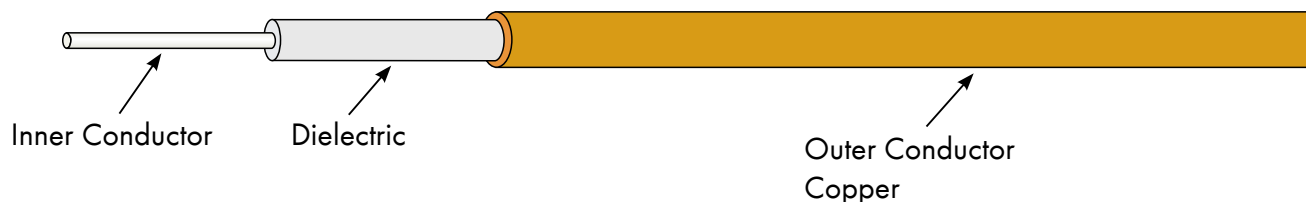


Coaxial Cable
50 Ω - PTFE - Semi Rigid Microwave Cable

RSR-250



Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Steel, Copper + Silver plated (SPCW)	1.63 mm [0.0642in]
Dielectric	PTFE (Polytetrafluoroethylene)	-
Outer Shield	Copper	6.35 mm [0.2500in]

Electrical Data

Impedance	50 $\Omega \pm 2$
Frequency	DC to 18 GHz
Capacitance	95.2 pF/m
Operating voltage	≤ 3.0 kVrms (@ sea level)

Mechanical Data

Weight	155.8 g/100m
Min. bending radius	3.2 mm

Environmental Data

Operating temperature range	-40°C to +100°C
Outer conductor integrity temperature	$\leq 175^\circ\text{C}$
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	0.13	0.04	1780
1	0.23	0.07	914.8
5	0.56	0.17	364.4
10	0.89	0.27	238.2
18	1.31	0.40	163.3