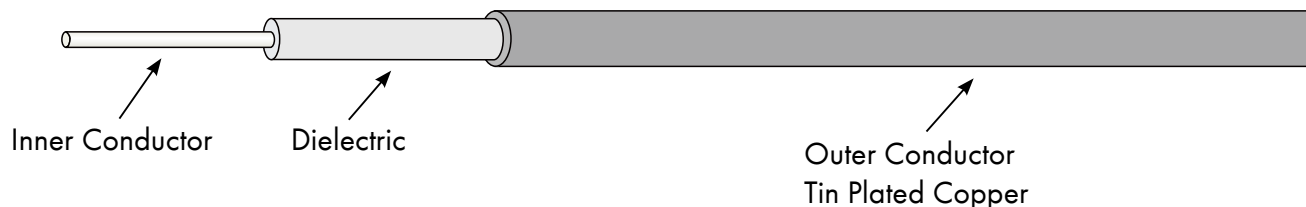


Coaxial Cable 50 Ω - PTFE - Semi Rigid Microwave Cable

RSR-047-TP



Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Steel, Copper + Silver plated (SPCW)	0.29 mm
Dielectric	PTFE (Polytetrafluoroethylene)	0.94 mm
Outer Shield	Copper, Tin plated	1.19 mm

Electrical Data

Impedance	50 Ω ± 2
Frequency	DC to 65 GHz
Capacitance	95.2 pF/m
Operating voltage	≤ 1.0 kVrms (@ sea level)

Mechanical Data

Weight	6 g/100m
Min. bending radius	1.27 mm

Environmental Data

Operating temperature range	-40°C to +120°C
Outer conductor integrity temperature	≤ 175°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	0.78	0.24	80.5
1	1.12	0.34	56.6
5	2.58	0.79	24.7
10	3.73	1.14	17.2
18	5.13	1.56	12.6
26.5	6.35	1.94	10.2
40	8.00	2.44	8.1
50	9.10	2.77	7.2
65	12.83	3.91	6.2