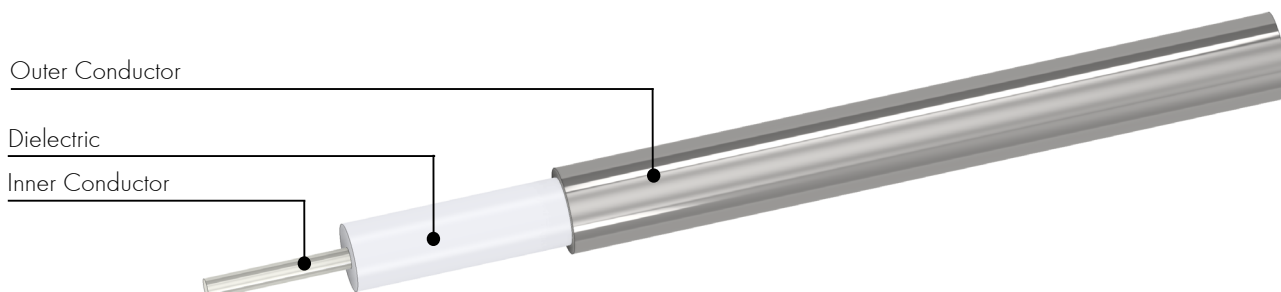




Coaxial Cable
50 Ω - PTFE - Semi Rigid Microwave Cable

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 109 GHz
Capacitance	95.2 pF/m
Corona Extinction Voltage	< 1.0 kVrms (@ sea level)
Voltage Withstanding	< 3.0 kVrms (@ sea level)

Mechanical Data

Weight	5.7 g/100m
Min. bending radius	1.91 mm

Environmental Data

Operating temperature MAX	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) @ 25 °C sea level
0.5	0.81	0.24	67.5
1	1.15	0.34	47.4
5	2.67	0.79	20.7
10	3.86	1.14	14.4
26.5	6.58	1.94	10.5
40	8.27	2.44	6.8
50	9.42	2.78	6
65	10.95	3.23	5.2
90	13.26	3.91	6.2