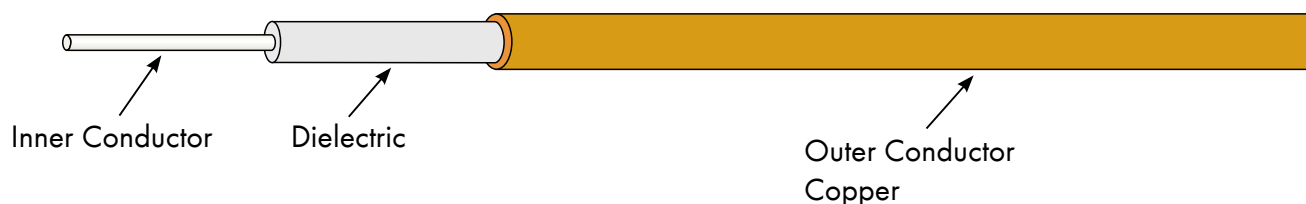


Coaxial Cable 50 Ω - PTFE - Semi Rigid Microwave Cable

RSR-085



Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Steel, Copper + Silver plated (SPCW)	0.51 mm
Dielectric	PTFE (Polytetrafluoroethylene)	1.68 mm
Outer Shield	Copper	2.20 mm

Electrical Data

Impedance	50 $\Omega \pm 2$
Frequency	DC to 40 GHz
Capacitance	95.2 pF/m
Operating voltage	≤ 1.5 kVrms (@ sea level)

Mechanical Data

Weight	21.3 g/100m
Min. bending radius	1.27 mm

Environmental Data

Operating temperature range	-40°C to +120°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	0.45	0.137	232
1	0.64	0.195	162.5
5	1.50	0.460	69.8
10	2.12	0.646	47.9
18	3.09	0.942	34.6
26.5	3.88	1.183	27.7
40	4.97	1.515	21.8