



Coaxial Cable
50 Ω - PTFE - Semi Rigid Microwave Cable

RSR-085-TP



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, Tin plated	2.19 mm

Electrical Data

Impedance	50 Ω ± 2
Frequency	DC to 40 GHz
Velocity of Propagation	69.5%
Capacitance	95.1 pF/m
Operating voltage	≤ 1.5 kVrms (@ sea level)

Mechanical Data

Weight	20.2 g/100m
Min. bending radius	3.2 mm

Environmental Data

Operating temperature range	-40°C to +125°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	0.49	0.149	209
1	0.72	0.219	148
5	1.64	0.500	66
10	2.62	0.799	47
20	4.27	1.301	33
26.5	5.09	1.551	29
40	6.62	2.018	23