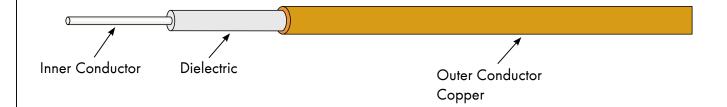


Technical Data Sheet

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)	O.51 mm
Dielectric	PTFE (Polytetrafluoroethylene)	1.68 mm
Outer Shield	Copper	2.20 mm

Electrical Data

 $\begin{array}{lll} \mbox{Impedance} & 50 \ \Omega \pm 2 \\ \mbox{Frequency} & DC \ \mbox{to} \ 40 \ \mbox{GHz} \\ \mbox{Capacitance} & 95.2 \ \mbox{pF/m} \\ \mbox{Operating voltage} & \leq 1.5 \ \mbox{kVrms} \ (@ \ \mbox{sea level}) \end{array}$

Mechanical Data

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

Environmental Data

 $\begin{array}{ll} \mbox{Operating temperature range} & -40\,^{\circ}\mbox{C to } + 120\,^{\circ}\mbox{C} \\ \mbox{Outer conductor integrity temperature} & \leq 175\,^{\circ}\mbox{C} \\ \mbox{RoHS (2011/65/EU)} & \mbox{compliant} \\ \end{array}$

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

The facts and figures herein are carefully compiled to the best	of our
knowledge, but they are intended for general informational purpose	es only
In the effort to improve our products, we reserve the right to make c	hanges
judged to be necessary.	

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