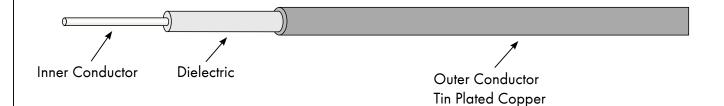


Technical Data Sheet

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

 $\begin{array}{lll} \mbox{Impedance} & 50 \ \Omega \pm 2 \\ \mbox{Frequency} & \mbox{DC to 40 GHz} \\ \mbox{Velocity of Propagation} & 69.5\% \\ \mbox{Capacitance} & 95.1 \ \mbox{pF/m} \end{array}$

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 $$-40\,^{\circ}\text{C}$ to +125\,^{\circ}\text{C}$$ 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) @ 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

The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.	Rev.: 1.0	Rosnol RF/Microwave Technology www.rosnol.com; info@rosnol.com	Page
In the effort to improve our products, we reserve the right to make changes judged to be necessary.	Date:	Phone: +886-3-463-5095 / Fax: +886-3-463-5952 N-CAGE Code: SFKK0 / ISO9001 certified	1/1