

Coaxial Cable
25 Ω - PTFE - Handformable Microwave Cable

RSF-085C-25



Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Silver plated copper (SPC)	0.94 mm (+/- 0.01)
Dielectric	PTFE (Polytetrafluoroethylene)	1.68 mm (+/- 0.05)
Outer Shield	Copper, Tin plated	2.17 mm (+/- 0.05)

Electrical Data

Impedance	25 $\Omega \pm 2$
Frequency	DC to 20 GHz
Capacitance	195 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Insulation resistance	$\geq 1 \times 10^8$ M Ω /m
Screening effectiveness	≥ 90 dB
Operating voltage	≤ 1.5 kVrms (@ sea level)

Mechanical Data

Weight	20 g/m
Min. bending radius	6 mm

Environmental Data

Temperature range	-55°C to +150°C
RoHS (2011/65/EU)	compliant

Typical Attenuation

Frequency (GHz)	Typical Attenuation (dB/m) @ 20°C sea level	Typical Attenuation (dB/ft) @ 20°C sea level	Max. CW power (Watt) @ 20°C sea level
0.5	0.59	0.18	190
1	0.84	0.26	128
2	1.21	0.37	90
3	1.60	0.49	65
5	1.97	0.60	56
10	2.87	0.87	36
18	4.32	1.32	25