

Technical Data Sheet

Flexible Coaxial Cable 50 Ω - PTFE - Double Shielding

RG-400



Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Steel, Copper + Silver plated (Stranded)	19/0.203 mm
Dielectric	PTFE (Polytetrafluoroethylene)	2.98 mm
First Outer Shield	Copper, Silver plated	3.45 mm
Second Outer Shield	Copper, Silver plated	3.95 mm
Jacket	FEP (Fluorinated ethylene propylene)	4.95 mm

Electrical Data

Impedance $50 \Omega \pm 2$ DC to 6 GHz Frequency Capacitance 105 pF/m Velocity of signal propagation 70 % 4.7 ns/m Signal delay $\geq 1 \times 10^8 M\Omega/m$ Insulation resistance Screening effectiveness \geq 70 dB (up to 6 GHz) Operating voltage ≤ 1.8 kVrms (@ sea level)

Mechanical Data

Weight 64.8 g/m
Min. bending radius 30 mm (Static)

Environmental Data

Temperature range -65 °C to +150 °C Installation temperature -20 °C to +60 °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
0.1	0.15	0.05	2300
0.4	0.32	0.10	1050
1	0.52	0.16	660
1.8	0.72	0.22	440
2.4	0.83	0.25	380
3	0.94	0.29	330
5	1.22	0.37	260
6	1.34	0.41	220

The facts and figures herein are carefully compiled to the best of c	our
knowledge, but they are intended for general informational purposes or	ıly.
In the effort to improve our products, we reserve the right to make change	jes
judged to be necessary.	

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