



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 Ω ± 2
Frequency	DC to 6 GHz
Capacitance	105 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Insulation resistance	≥ 1 × 10 ⁸ MΩ/m
Screening effectiveness	≥ 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