

**Flexible Coaxial Cable
75 Ω - PTFE - Single Shielding**
RG-179B/U

Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Steel, Copper + Silver plated (Stranded)	0.31 mm
Dielectric	PTFE (Polytetrafluoroethylene)	1.60 mm
Outer Shield	Copper, Silver plated	2.11 mm
Jacket	FEP (Fluorinated ethylene propylene)	2.54 mm

Electrical Data

Impedance	75 Ω ± 3
Frequency	DC to 3 GHz
Capacitance	65 pF/m
Velocity of signal propagation	70 %
Signal delay	4.7 ns/m
Insulation resistance	≥ 1 × 10 ⁸ MΩ/m
Screening effectiveness	≥ 41 dB (up to 1 GHz)
Operating voltage	≤ 0.75 kVrms (@ sea level)

Mechanical Data

Weight	15.1 g/m
Min. bending radius	15 mm (Static) 38 mm (Dynamic)

Environmental Data

Temperature range	-65°C to +165°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
0.15	0.31	0.09	297
0.3	0.43	0.13	210
0.9	0.78	0.24	121
1.05	0.85	0.26	112
1.8	1.16	0.35	86
2.4	1.37	0.42	74
3	1.57	0.48	66