

## Technical Data Sheet

# 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 )	O.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

 $75 \Omega \pm 3$ Impedance DC to 3 GHz Frequency Capacitance 65 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  $\geq$  41 dB (up to 1 GHz) Operating voltage  $\leq$  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  $-65\,^{\circ}\text{C}$  to  $+165\,^{\circ}\text{C}$  Installation temperature  $-20\,^{\circ}\text{C}$  to  $+60\,^{\circ}\text{C}$  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) @ 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

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

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