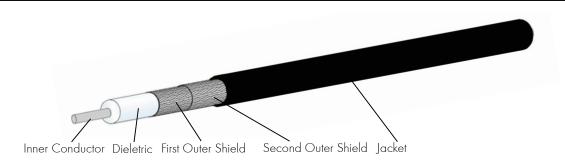


## Technical Data Sheet

RG223/U Coaxial Cable, 50Ohm, 6 GHz, 85°C, ø5.35 mm, PVC jacket

# RG-223 / U



Material And Diam	eter

Connector parts	Material	Diameter
Inner Conductor	Copper, Silver plated	0.89 mm (.035 inch)
Dielectric	PE (Polyethylene)	2.90 mm (.114 inch)
First Outer Shield	Copper, Silver plated	3.45 mm (.136 inch)
Second Outer Shield	Copper, Silver plated	3.95 mm (.156 inch)
Jacket	PVC II (PolyVinyl Chloride)	5.35 mm (.211 inch)

#### Electrical Data

Impedance  $50 \Omega \pm 2$ Frequency DC to 6 GHz Capacitance  $106 \, \mathrm{pF/m}$ Velocity of signal propagation 66 % Signal delay 5 ns/m Screening effectiveness  $\geq$  85 dB (up to 1 GHz)  $\geq 1 \times 10^8 \,\mathrm{M}\Omega/\mathrm{m}$ Insulation resistance Operating voltage  $\leq$  2.0 kVrms (@ sea level)

#### Mechanical Data

Weight  $65 \, \mathrm{g/m}$ Min. bending radius 30 mm (Static)

### **Environmental Data**

Temperature range RoHS (2011/65/EU)

-40°C to +85°C 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	0.16	0.05	300
0.4	0.33	0.10	180
1	0.53	0.16	120
2	0.80	0.24	85
3	0.97	0.29	69

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

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