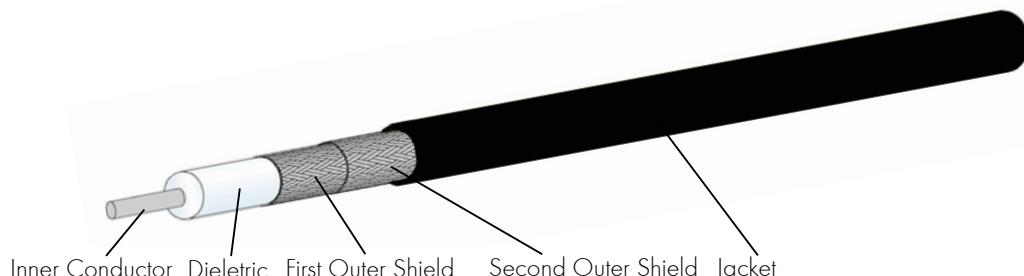




RG223/U Coaxial Cable, 50Ω, 6 GHz, 85 °C, ø5.35 mm, PVC jacket

## RG-223 / U



### Material And Diameter

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 Ω ± 2
Frequency	DC to 6 GHz
Capacitance	106 pF/m
Velocity of signal propagation	66 %
Signal delay	5 ns/m
Screening effectiveness	≥ 85 dB (up to 1 GHz)
Insulation resistance	≥ 1 × 10 <sup>8</sup> MΩ/m
Operating voltage	≤ 2.0 kVrms (@ sea level)

### Mechanical Data

Weight	65 g/m
Min. bending radius	30 mm (Static)

### Environmental Data

Temperature range	-40 °C to +85 °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	0.16	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