

Flexible Coaxial Cable
75 Ω - PE- Double Shielding

RG-6/U



Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Copper-Clad Steel	1.02 mm (+/- 0.03)
Dielectric	PE (Polyethylene)	4.57 mm (+/- 0.05)
Foil	Aluminum Foil	4.72 mm
Braid	Tin-plated Copper	-
Jacket	PVC (PolyVinyl Chloride)	6.75 mm (+/- 0.1)

Electrical Data

Impedance	75 $\Omega \pm 3$
Frequency	DC to 3 GHz
Capacitance	53.1 pF/m
Velocity of signal propagation	85 %
Signal delay	4.07 ns/m
Insulation resistance	$\geq 1 \times 10^8$ M Ω /m
Screening effectiveness	≥ 90 dB (up to 1 GHz)
Operating voltage	≤ 3 kVrms (@ sea level)

Mechanical Data

Weight	61.01 g/m
Min. bending radius	70 mm

Environmental Data

Temperature range	-35°C to +75°C
RoHS (2011/65/EU)	compliant

Typical Attenuation

Frequency (GHz)	Typical Attenuation (dB/m) @ 20°C sea level	Typical Attenuation (dB/ft) @ 20°C sea level	Max. CW power (Watt) @ 20°C sea level
0.055	0.05	0.02	N/A
0.27	0.11	0.03	N/A
0.50	0.15	0.05	N/A
0.75	0.18	0.05	N/A
1	0.21	0.07	N/A