



Flexible Coaxial Cable
75 Ω - PE - Single Shielding

RG-59/U



Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Bare Copper	0.80 ±0.02 mm
Dielectric	Gas-Injected Foamed PE (Polyethylene)	3.7 ±0.1 mm
Outer Shield	Aluminum Foil + Bare Copper Wire (Coverage: 85%)	-
Jacket	PVC (PolyVinyl Chloride)	6.0 ±0.1 mm

Electrical Data

Impedance	75 ± 3Ω
Frequency	DC to 1 GHz
Capacitance	53 ±3pF/m
Velocity of signal propagation	66 %
Signal delay	4.07 ns/m
Insulation resistance	≥ 1 x 10 ⁶ MΩ/m
Operating voltage	≤ 300 Vrms (@ sea level)

Mechanical Data

Weight	N/A
Min. bending radius	63.5 mm

Environmental Data

Temperature range	-30°C to +75°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) @ 25°C sea level
0.100	0.15	0.046	
0.400	0.17	0.052	
0.600	0.20	0.061	
0.865	0.25	0.076	
1.000	0.27	0.082	