

Flexible Coaxial Cable 50 Ω - PE- Double Shielding

RG-217/U



Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Copper	2.69 mm
Dielectric	PE (Polyethylene)	9.33 mm
First Outer Shield	Copper	10.3 mm
Second Outer Shield	Copper	11.2 mm
Jacket	PVC II (PolyVinyl Chloride)	13.85 mm

Electrical Data

Impedance	50 Ω ± 2
Frequency	DC to 3 GHz
Capacitance	101 pF/m
Velocity of signal propagation	66 %
Signal delay	5.03 ns/m
Insulation resistance	≥ 1 × 10 ⁸ MΩ/m
Screening effectiveness	≥ 80 dB (up to 1 GHz)
Operating voltage	≤ 6 kVrms (@ sea level)

Mechanical Data

Weight	301 g/m
Min. bending radius	70 mm (Static) 140 mm (Dynamic)

Environmental Data

Temperature range	-25°C to +85°C
Installation temperature	-20°C to +60°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	0.07	0.02	1549
0.45	0.12	0.04	894
0.9	0.19	0.06	632
1.05	0.21	0.06	586
1.8	0.3	0.09	447
2.4	0.36	0.11	387
3	0.42	0.13	346