

Flexible Coaxial Cable
50 Ω - PE - Single Shielding

SM CAB RG-58C/U

**Material And Diameter**

Connector parts	Material	Diameter
Inner Conductor	Copper, Tin plated (Stranded 19/0.203)	0.9 mm
Dielectric	PE (Polyethylene)	2.95 mm
Outer Shield	Copper, Tin plated	3.6 mm
Jacket	PVC II (PolyVinyl Chloride)	4.95 mm

Electrical Data

Impedance	50 Ω ± 2
Frequency	DC to 1 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	≥ 38 dB (up to 1 GHz)
Operating voltage	≤ 2.5 kVrms (@ sea level)

Mechanical Data

Weight	37 g/m
Min. bending radius	25 mm (Static) 50 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
0.1	0.13	0.04	332
0.4	0.31	0.10	166
0.9	0.54	0.17	111
1	0.58	0.18	105