

Technical Data Sheet

Flexible Coaxial Cable 50 Ω - PE - Single Shielding

RG-213/U



Material And Diameter

Connector parts	Material	Diameter
Inner Conductor	Copper (Stranded)	2.25 mm
Dielectric	PE (Polyethylene)	7.25 mm
Outer Shield	Copper	8.1 mm
Jacket	PVC II (PolyVinyl Chloride)	10.3 mm

Electrical Data

Impedance $50 \Omega \pm 2$ DC to 1 GHz Frequency Capacitance 101 pF/m Velocity of signal propagation 66 % 5.03 ns/m Signal delay $\geq 1 \times 10^8 M\Omega/m$ Insulation resistance Screening effectiveness \geq 40 dB (up to 1 GHz) Operating voltage ≤ 5 kVrms (@ sea level)

Mechanical Data

Weight 153 g/m
Min. bending radius 50 mm (Static)
100 mm (Dynamic)

Environmental Data

 $\begin{array}{lll} \mbox{Temperature range} & -25\,^{\circ}\mbox{C to } +85\,^{\circ}\mbox{C} \\ \mbox{Installation temperature} & -20\,^{\circ}\mbox{C to } +60\,^{\circ}\mbox{C} \\ \mbox{RoHS (2011/65/EU)} & \mbox{compliant} \end{array}$

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	0.06	0.02	1316
0.4	0.13	0.04	658
0.9	0.21	0.07	439
1	0.23	0.07	416

The facts and figures herein are carefully compiled to the best of	our
knowledge, but they are intended for general informational purposes or	ıly
In the effort to improve our products, we reserve the right to make chang	ges
judged to be necessary.	

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