

**Flexible Coaxial Cable**  
**50 Ω - PE - Single Shielding**

**RG-174/U**



**Material And Diameter**

Connector parts	Material	Diameter
Inner Conductor	Bare Copper (stranded)	0.480 ±0.024mm (7/0.16 ±0.008mm)
Dielectric	XLPE (Polyethylene)	1.52 ±0.05mm
Outer Shield	Copper, tin plated	-
Jacket	PVC (PolyVinyl Chloride)	2.70 ±0.10mm

**Electrical Data**

Impedance	50 ±5Ω
Frequency	DC to 1 GHz
Capacitance	100 ±8pF/m
Velocity of signal propagation	66 %
Voltage rating	30 V

**Mechanical Data**

Weight	N/A
Min. bending radius	20 mm

**Environmental Data**

Temperature range	-25°C to +85°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
0.1	0.28	0.09	
0.4	0.62	0.19	
1.0	1.05	0.32	