

RG174, 50 Ohm, 1 GHz, 85°C, Ø2.8 mm, PVC jacket

RG_174_A/U-60

Properties

- Mil standard RG cable
- Excellent RF performance for precision applications
- Suitable for use in application up to 1 GHz
- UL qualified



Construction			
Component	Material	Detail	Diameter
Centre conductor	Steel, Copper plated	Strand-07, 87%	0.48 mm - 0.1 mm
Dielectric	PE (Polyethylene)		1.48 mm
Outer conductor	Copper, Tin plated	Braid, 87%	2 mm
Jacket	PVC (Polyvinyl chloride)	RAL 9005 - bk	2.8 mm +/- 0.1 mm

Electrical data	
Impedance	50 Ω +/- 2Ω
Operating frequency	≤ 1 GHz
Capacitance	101 pF/m
Velocity of signal propagation	66 %
Signal delay	5.03 ns/m
Screening effectiveness	40 dB at frequency 0.0001 GHz ... 1GHz
Insulation resistance	100000000 MΩ*m
Inner conductor resistance	317.3 Ω/km
Operating Voltage (at sea level)	≤ 1.5 kVrms
Voltage Rating UL	30 V
Test voltage (50 Hz/1 min)	≤ 3 kVrms

Mechanical data	
Weight	approx. 13 g/m
Static bending radius	≥ 15 mm
Repeated bending radius	28 mm

Environmental data	
Operation temperature	-25 °C ... 85 °C
Installation temperature	-20 °C ... 60 °C
Flame propagation standard	UL (horizontal flame test)

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