

**Part No:** 390174  
**Description:** RG174 50 Ohm Coaxial Cable Solid Polyethylene Insulation, Tinned Copper Braid, Polyvinyl Chloride (PVC) Black



### Construction

Conductor Material : Copper Clad Steel  
 Stranding : 7/0.16mm  
 Dielectric : Solid Polyethylene (SPE)  
 Diameter of Dielectric : 1.52mm (+/- 0.04mm)  
 Screen Material : Tinned Copper Wire Braid (≥85% Coverage)  
 Outer Sheath Material : Polyvinyl Chloride (PVC)  
 Outer Sheath Colour : Black

### Electrical Characteristics

Impedance : 50 Ω ± 3  
 Capacitance : ≤ 105 pF /m ± 3  
 Velocity of Propagation : 66 % ± 3  
 Min Insulation Resistance @20°C : > 1000 MΩ\*KM  
 Max. Conductor Resistance @ 20°C : ≤ 337 Ω /km  
 Voltage Rating : 30V

### Attenuation @ 20°C

Frequency (MHz)	Attenuation (≤dB/100m)
10	10.3
50	19.5
100	29.2
200	43.2

### Physical Characteristics

Overall Diameter : 2.8 ± 0.15mm  
 Min. Bend Radius : 10 x OD  
 Temperature Rating : -20°C to +70°C  
 Weight : 16 kg/km

### Standards

RoHS3 Compliant : Yes  
 CE Compliant : LVD (2014/35/EU)