

**Part No:** 390142  
**Description:** RG 142 B/U 50 Ohm Coaxial Cable PTFE Insulation, Double Silver Plated Copper Braid FEP Brown Sheath



### Construction

Conductor Material : Solid Silver Plated Copper Clad Steel  
 Conductor Size : 1/0.94 mm  
 Dielectric : Polytetrafluoroethylene (PTFE)  
 Diameter of Dielectric : 2.95 mm  
 1<sup>st</sup> Screen Material : Silver Plated Copper Wire Braid (≥95% Coverage)  
 2<sup>nd</sup> Screen Material : Silver Plated Copper Wire Braid (≥93% Coverage)  
 Outer Sheath Material : Fluorinated ethylene propylene (FEP)  
 Outer Sheath Colour : Brown

### Electrical Characteristics

Impedance : 50 Ω ± 3  
 Capacitance : 96 pF /m ± 3  
 Velocity of Propagation : 69 % ± 3  
 Max. Conductor Resistance : ≤ 63 Ω /km  
 Max. Screen Resistance : ≤ 7.5 Ω /km  
 Maximum Operating Voltage : 1900V

### Attenuation @ 20°C

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
10	3.6	900	40.4
50	8.5	1000	43.0
100	12.5	2000	63.3
200	17.7	3000	79.4
400	25.9	5000	107.0
700	35.1	8000	141.7

### Physical Characteristics

Overall Diameter : 4.9 mm (±0.15mm)  
 Min. Bend Radius : 10 x OD  
 Temperature Rating : -55°C to +200°C  
 Weight : 74 kg/km

### Standards

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