

**Part No:** 390303  
**Description:** RG 303 B/U 50 Ohm Coaxial Cable PTFE Insulation, 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  
 Screen Material : Silver Plated Copper Wire Braid (≥95% Coverage)  
 Outer Sheath Material : Fluorinated Ethylene Propylene (FEP)  
 Outer Sheath Colour : Brown

### Electrical Characteristics

Impedance : 50 Ω ± 3  
 Capacitance : 96.5 pF /m ± 5  
 Velocity of Propagation : 70 % ± 3  
 Max. Conductor Resistance : ≤ 53.5 Ω /km  
 Max. Screen Resistance : ≤ 14.1 Ω /km  
 Maximum Operating Voltage : 1900V

### Attenuation @ 20°C

Frequency (MHz)	Attenuation (dB/100m)	Frequency (MHz)	Attenuation (dB/100m)
10	3.6	400	26.9
50	8.9	700	36.1
100	12.8	900	41.0
200	18.4	1000	44.3

### Physical Characteristics

Overall Diameter : 4.30 mm (±0.15mm)  
 Min. Bend Radius : 10 x OD  
 Temperature Rating : -55°C to +200°C  
 Weight : 47 kg/km

### Standards

RoHS3 Compliant : Yes