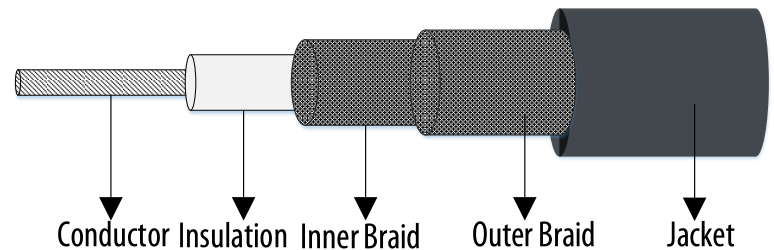


# RG 142 Double Braid 50 Ohm Coaxial Cable



PRODUCT DATA SHEET

RG 142 high-temperature coax cable is used in interconnections between the telecommunications equipment and is widely used for commercial wireless applications. It also works very well in sensitive environments with minimal space such as avionics bays.



**Design Number** 10365  
**Part Number** 32051624  
**Customer Number** N/A

## CONSTRUCTION

**Conductor:** Silver plated copper clad steel  
**Conductor Size:** Solid 0.94mm  
**Insulation Material:** PTFE, Natural  
**Insulated Diameter:** 3.0mm (Nom.)  
**Inner Braid:** Silver plated copper, coverage min 85%  
**Outer Braid:** Silver plated copper, coverage min 85%  
**Outer Braid Diameter:** 3.95mm (Nom.)  
**Jacket Material:** FEP  
**Overall Diameter:** 4.95mm (Nom.)  
**Jacket Color:** Brown

## ELECTRICAL CHARACTERISTICS

**Operating Temperature (°C):** -55°C to +200°C

**Max. Operating Voltage (VMS):** 1900

**Bending Radius :** 25mm

**Capacitance:** 96.45 pF/m (Nom.)

**Impedance:** 50 Ohm (Nom.)

**Velocity:** 70%

**Max. Operating Frequency:** 8000 MHz

### Attenuation (Typical)

Frequency (MHz)	Attenuation(≤dB/100m)
100	13.13
400	26.88
1000	44.10
3000	82.00
5000	110.25

**RoHS Compliance:** European Directive 2015/863/EU

**Application:** Medicine, maximum frequency, military, Antennas and EMC

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Revision History		
00	2020/08/13	Initial release
Created L. Jian	Approved A. Huang	

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