

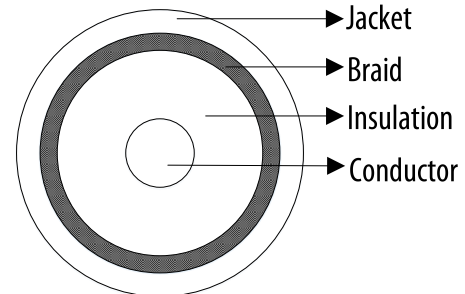
# RG 316 Series MIL-C-17/172-00001



PRODUCT DATA SHEET

RG 316 coax cable can be used in a direct burial, radiofrequency and telecommunications applications. Often used for the transmission of radio frequency signals.

**Design Number** 10317  
**Part Number** See Table 1  
**Customer Number** N/A



## CONSTRUCTION

**Conductor:** Silver plated copper clad steel  
**Conductor Size:** 7/0.17mm  
**Insulation Material:** PTFE, Neutral  
**Insulated Diameter:** 1.52mm (Nom.)  
**Braid:** Silver plated copper, coverage min 85%  
**Jacket Material:** FEP  
**Overall Diameter:** 2.50mm  
**Jacket Color:** Brown

## MECHANICAL CHARACTERISTICS

**Operating Temperature (°C):** -55°C to +200°C  
**Bending Radius:** 13mm  
**RoHS Compliance:** European Directive 2015/863/EU

Table 1

Part Number	Package
32051627	500m
32051930	100m

## ELECTRICAL CHARACTERISTICS

**Max. Operating Voltage (VMS):** 1200  
**Capacitance:** 96.45 pF/m (Nom.)  
**Impedance:** 50 Ohm (Nom.)  
**Velocity:** 70%  
**Max. Operating Frequency:** 3000 MHz

### Attenuation (Typical)

Frequency (MHz)	Attenuation (dB/100m)
100	≤27.51
400	≤55.76
1000	≤89.88
3000	≤160.86

**Application:** Used in wireless communication, broadcast and military equipment. Good choice for applications in demanding environments or with minimal installation space.

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Revision History		
00	2020/11/04	Initial release
Created L. Jian	Approved A. Huang	

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