

FEATURES

- **Unterminated connectors**
- **RG179**
- **75 Ω**
- **Outer diameter of 3mm**
- **Brown sheath**
- **Stranded conductor**
- **Attenuation of 78.7dB @ 1000 MHz**
- **MIL-C-17F and MIL-C-17G certified for quality**
- **Minimum operating temperature -70°C**
- **Maximum operating temperature +200 °C**

RS PRO Brown Unterminated to Unterminated RG179 Coaxial Cable, 75 Ω 3mm OD

RS Stock No.: 906-0616



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This RS PRO unterminated to unterminated RG179 coaxial cable is well-suited as a transmission line for radio frequency signals. This means you can use it for a range of everyday applications, including joining a satellite TV antenna to a television, connecting a digital audio (S/PDIF) signal to a radio or interlinking computer networks via the internet. The brown PVC-coated lead comes in a 25-metre reel and is used in both domestic and commercial settings.

As an RG179 cable, this product is capable of transmitting high-quality images. The inner wires are double shielded, so users will benefit from lower levels of image and noise interference.

General Specifications

Coaxial Type	RG179
Connector A	Unterminated
Connector B	Unterminated
Terminated/Unterminated	Unterminated
Sheath Colour	Brown
Applications	Industrial, Instrument, Medical Equipment

Electrical Specifications

Capacitance	64.0pF/m
Characteristic Impedance	75Ohm
Velocity Propagation (%)	69.5
Conductor DCR (Ohm/km)	800.5
Outer Shield DCR (Ohm/km)	27.9
Maximum Operating Frequency (MHz)	3000
Maximum Operating Voltage (RMS)	1200
Corona Extinction Voltage (VRMS)	1200
Voltage Withstand (VRMS)	2000

Attenuation (@ 20°C)

Frequency (MHz)	Attenuation (db/100ft)	Attenuation (db/100m)
10	5.3	17.4
50	7.0	23.0
100	8.2	26.9
200	12.5	
400	16.0	
700	19.7	
900	25.5	83.7
1000	26.3	86.3

Mechanical Specifications

Outer Diameter	3mm
Conductor Strand Type	Stranded
Coil or Drum	Drum

Item	Material	Diameter
Inner Conductor	Silver Plated Copper Clad Steel	7/0.17
Dielectric	PTFE(Nature)	1.60
First Shield	Silver Plated copper Braid (16/5/0.10)	95%
Second Shield	Silver Plated copper Braid (16/5/0.10)	95%
Jacket	FEP(Brown)	3.00

Operation Environment Specifications

Operating Temperature Range	-70°C to +200°C
Minimum Operating Temperature	-70°C
Maximum Operating Temperature	+200°C

Approvals

Standards Met	RoHS Compliant
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