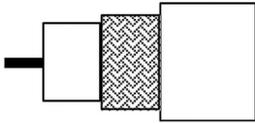


Product: [MRG1791](#) 



COAX RG179 PVC

Product Description

COAX [0.3/1.6] RG179 STRANDED PVC

Technical Specifications

Product Overview

Suitable Applications:	Coaxial communication cable based on MIL-C-17
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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	Construction n x D	Nominal Diameter	Diameter +/- Tolerance	No. of Coax
30	Stranded	SCCS - Silvered Copper Covered Steel	7x0.10 mm	0.3 mm	0.02 mm	1

Conductor Count:	1
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Insulation

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	PE - Polyethylene	1.6 mm	0.15 mm

Outer Shield Material

Type	Material	Coverage [%]	Nominal Diameter	Diameter +/- Tolerance	Coverage +/- Tolerance
Braid	Tinned Copper (TC)	85%	2 mm	0.15 mm	4%

Outer Jacket Material

Material	Nominal Diameter	Diameter +/- Tolerance
PVC - Polyvinyl Chloride	2.8 mm	0.1 mm

Table Notes:	According to European Standard EN 50290-2-20
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Electrical Characteristics

Conductor DCR

Max. Conductor DCR
802 Ohm/km

Capacitance

Nom. Capacitance	Capacitance Tolerance
67 pF/m	3 pF/m

Impedance

Nominal Characteristic Impedance	Nominal Characteristic Tolerance	Regularity of Impedance
75 Ohm	3 Ohm	Min. 40 dB

High Frequency (Nominal/Typical)

Frequency [MHz]	Nom. Insertion Loss
10 MHz	15 dB/100m
100 MHz	27 dB/100m

1000 MHz	85 dB/100m
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Delay

Nominal Velocity of Propagation (VP) [%]
66%

Voltage

Voltage Rating [V]
2000 DC / 1000 V RMS

Temperature Range

Installation Temp Range:	-5°C To +50°C
Storage Temp Range:	-25°C To +70°C
Operating Temp Range:	-25°C To +70°C

Standards

CPR Euroclass:	Fca
RG Type:	179
Military Compliance:	MIL-C-17

Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU RoHS Compliance Date (yyyy-mm-dd):	2005-11-17

Part Number

Variants

Item #	Color	Putup Type	Length	EAN
MRG1791.0050	Black	Reel	50 m	8719605102935
MRG1791.00100	Black	Reel	100 m	8719605102928
MRG1791.00150	Black	Reel	150 m	8719605162977

History

Update and Revision:	Revision Number: 0.167 Revision Date: 09-30-2020
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