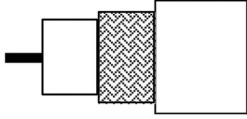


**Part Number: MRG1740**

**COAX RG174/U PVC**



**Product Description**

COAX [0.5/1.52] RG174/U STRANDED PVC

**Technical Specifications**

**Product Overview**

Environmental Space:	Indoor - Euroclass Eca
Suitable Applications:	Coaxial communication cable based on MIL-C-17

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Construction n x D	Nominal Diameter	Diameter +/- Tolerance	No. of Coax
26	Stranded	Copper clad steel	7x0.16 mm	0.48 mm	0.02 mm	1

Conductor Count:	1
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**Insulation**

Type	Material	Nominal Diameter	Diameter +/- Tolerance
Dielectric	Polyethylene	1.5 mm	0.15 mm

**Outer Shield Material**

Type	Material	Coverage [%]	Nominal Diameter	Diameter +/- Tolerance	Coverage +/- Tolerance
Braid	TC - Tinned Copper	85 %	1.97 mm	0.15 mm	4 %

**Outer Jacket Material**

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

OuterJacket1, Table Note:	According to European Standard HD 624
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**Electrical Characteristics**

**Conductor DCR**

Max. Conductor DCR
317 Ohm/km

**Capacitance**

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

**Impedance**

Nominal Characteristic Impedance	Nominal Characteristic Tolerance
50 Ohm	2 Ohm

**High Frequency (Nominal/Typical)**

Frequency [MHz]	Nom. Insertion Loss
10 MHz	11 dB/100m

200 MHz	42 dB/100m
1000 MHz	110 dB/100m

#### Delay

<b>Nominal Velocity of Propagation (VP) [%]</b>
66 %

#### Voltage

<b>Voltage Rating [V]</b>
1400 DC / 1000 V RMS

#### Temperature Range

Installation Temp Range:	-5°C To +50°C
Storage Temp Range:	-40°C To +70°C
Operating Temp Range:	-40°C To +70°C

#### Mechanical Characteristics

Max Recommended Pulling Tension:	90 N
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#### Standards

CPR Euroclass:	Eca
RG Type:	174/U Type
MIL Spec Rating:	MIL-C-17

#### Applicable Environmental and Other Programs

EU RoHS Compliance Date (yyyy-mm-dd):	1998-01-01
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#### Flammability, LS0H, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2
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#### Part Number

#### Variants

Item #	Color	Length
MRG1740.0050	Black	50 m
MRG1740.00500	Black	500 m

#### History

Update and Revision:	Revision Number: 0.144 Revision Date: 08-22-2019
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