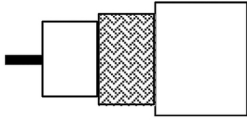


**Part Number: MRG1740**

**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

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

Conductor Count:	1
Conductor Size:	26 AWG

#### 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

Shielding:	Braid(s)
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#### 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
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#### 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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#### Part Number

#### Variants

Item #	Color
MRG1740.0050	Black
MRG1740.00500	Black

#### History

Revision Number:	2
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