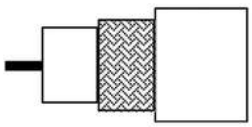
Part Number: MRG1740



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

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

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

Voltage

Voltage Rating [V]
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

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

Flammability, LS0H, Toxicity Testing

ISO/IEC Flammability:	IEC 60332-1-2

Part Number

Variants

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

History

Revision Number:	2

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