



MRG1740

Part Number: MRG1740

COAX RG174/U PVC

Product Description

COAX RG174/U PVC

Product Specifications

Application

Application 1:	Coaxial communication cable based on MIL-C-17
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Technical Specifications

Environmental Characteristics

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

History

Revision Date:	2009-08-10
Revision Number:	2

North American Standard

MIL Spec Rating:	MIL-C-17
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Use

Max Recommended Pulling Tension:	90 lbs
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Impedance:

Nominal Characteristic Impedance

50 mOhm/ft

2 Ohm

Conductor DCR:**Max. Conductor DCR**

317 Ohm/100m

Delay:**Nominal Velocity of Propagation (VP)**

66 ns/100m

Voltage:**Voltage Rating**

1400 dc / 1000 rms V

Capacitance:**Capacitance Tolerance****Nominal Capacitance**

3 pF/m

100 pF/m

High Frequency (Nominal/Typical):

Element	Frequency (MHz)	Nom. Insertion Loss
	10 MHz	11 db/100m
	200 MHz	42 db/100m
	1000 MHz	110 db/100m
Max. attenuation 10% higher		

Insulation:

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

Outerjacket 1:

Element	Material	Nominal Diameter	Diameter +/- Tolerance
	PVC	2.8 mm	0.1 mm

According to European Standard HD 624

Conductor:

Stranding	Material	ConstructionNXD	Nominal Diameter	Diameter +/- Tolerance
Stranded	Copper clad steel	7x0.16 mm	0.48 in	0.02 mm

Outershield 1:

Type	Material	Coverage	Nominal Diameter	Diameter +/- Tolerance	Coverage +/- Tolerance
Braid	Tinned copper	85 %	1.97 mm	0.15 mm	4 %

Product Variants

Part Number	Color	Put-Up Type	Length
MRG1740.00500	BLACK	Reel	500 m
MRG1740.0050	BLACK	Reel	50 m

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