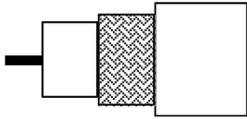


**Product:** [MRG1740](#) 



**MRG1740 - 50 Ohm Wireless Transmission Coax, RG174 Type, 26 AWG Solid BCCS, 85% TC Braid, PVC Jkt**

## Product Description

50 Ohm Wireless Transmission Coax, RG174 Type, 26 AWG Solid Bare Copper Covered Steel Conductor, PE Insulation, 85% Tinned Copper Braid Shield, PVC Jacket

## Technical Specifications

### Product Overview

Suitable Applications:	Point-to-point and point-to-multipoint wireless antenna communication; Wireless microphones, Two-Way Radios, Amateur (Ham) Radio, Low Power FM, GPS, RFID (Radio Frequency Identification)
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### Construction Details

RG Type:	174
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#### Conductor

No. of Elements	Size	Stranding	Nom. Diameter	Material
1	26 AWG	Stranded	0.48 mm	BCCS - Bare Copper Covered Steel

#### Insulation

Element	Material	Nom. Insulation Diameter
Insulated Conductor	PE - Polyethylene	1.5 mm (0.059 in)

#### Outer Shield

Outer Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	85%

#### Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	2.8 mm

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

#### Attenuation

Frequency	Nom. Attenuation
10 MHz	11 dB/100m
200 MHz	42 dB/100m
1000 MHz	110 dB/100m

Table Notes:	Max. attenuation 10% higher
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#### Electricals

Max. Conductor DCR	Nom. Capacitance Cond-to-Shield	Nom. Characteristic Impedance	Nom. Velocity of Prop.
317 Ohm/km (96.6 Ohm/1000ft)	100 pF/m (30 pF/ft)	50 Ohm	66%

#### Voltage

Voltage Rating
1400 V DC / 1000 V RMS

## Mechanical Characteristics

### Temperature

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

Max. Pull Tension: 90 N (20 lbf)

### Standards and Compliance

Environmental Suitability:	Indoor - Euroclass Eca
Flammability / Reaction to Fire:	IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
Military Compliance:	MIL-C-17
European Directive Compliance:	EU CE Mark
UK Regulation Compliance:	UKCA Mark

### History

Update and Revision: Revision Number: 0.196 Revision Date: 12-22-2023

### Part Numbers

#### Variants

Item #	Color	Putup Type	Length	EAN
MRG1740.0050	Black	Reel	50 m	8719605102874
MRG1740.00500	Black	Reel	500 m	8719605102881

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