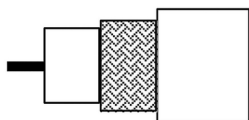


**Product:** [MRG1740](#) 



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

## Product Description

50 Ohm Wireless Transmission Coax, RG174 Type, 26 AWG Stranded 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) |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Construction Details

|          |     |
|----------|-----|
| RG Type: | 174 |
|----------|-----|

#### 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        |

|                            |                            |
|----------------------------|----------------------------|
| Outer Jacket1 Table Notes: | According to EN 50290-2-20 |
|----------------------------|----------------------------|

### Electrical Characteristics

#### Attenuation

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

|                          |                             |
|--------------------------|-----------------------------|
| Attenuation Table Notes: | Max. attenuation 10% higher |
|--------------------------|-----------------------------|

#### 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: 0.265 Revision Date: 09-07-2025 |
|----------------------|--------------------------------------------------|

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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