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1-800-Belden1



### Description:

Low noise, RG-174/U Type, 26 AWG stranded (7x34) .019" bare copper-covered steel conductor, polyethylene insulation, conductive layer, TC braid shield (90% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Coax | AWG | Stranding | Conductor Material               | Dia. (mm) |
|--------|-----|-----------|----------------------------------|-----------|
| 1      | 26  | 7x34      | BCCS - Bare Copper Covered Steel | 0.4826    |

#### Insulation

Insulation Material:

| Layer # | Insulation Material                 | Dia. (mm) |
|---------|-------------------------------------|-----------|
| 1       | PE - Polyethylene                   | 1.1176    |
| 2       | Conductive PVC - Polyvinyl Chloride | 1.4224    |

#### Outer Shield

Outer Shield Material:

| Type  | Outer Shield Material | Coverage (%) |
|-------|-----------------------|--------------|
| Braid | TC - Tinned Copper    | 90           |

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material    |
|--------------------------|
| PVC - Polyvinyl Chloride |

#### Overall Cabling

Overall Nominal Diameter: 2.565 mm

### Mechanical Characteristics (Overall)

|                                        |                |
|----------------------------------------|----------------|
| Operating Temperature Range:           | -40°C To +60°C |
| Non-UL Temperature Rating:             | 60°C           |
| Bulk Cable Weight:                     | 10.417 Kg/Km   |
| Max. Recommended Pulling Tension:      | 64.054 N       |
| Min. Bend Radius (Install)/Minor Axis: | 25.400 mm      |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                                       |            |
|---------------------------------------|------------|
| EU CE Mark:                           | Yes        |
| EU Directive 2000/53/EC (ELV):        | Yes        |
| EU Directive 2002/95/EC (RoHS):       | Yes        |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |
| EU Directive 2002/96/EC (WEEE):       | Yes        |
| EU Directive 2003/11/EC (BFR):        | Yes        |
| CA Prop 65 (CJ for Wire & Cable):     | Yes        |

|                             |     |
|-----------------------------|-----|
| MII Order #39 (China RoHS): | Yes |
|-----------------------------|-----|

|          |       |
|----------|-------|
| RG Type: | 174/U |
|----------|-------|

**Plenum/Non-Plenum**

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

**Electrical Characteristics (Overall)****Nom. Characteristic Impedance:**

Impedance (Ohm)

50

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/m)

124.678

**Nominal Velocity of Propagation:**

VP (%)

62

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)

318.257

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/km)

45.934

|                                    |                                                                                 |
|------------------------------------|---------------------------------------------------------------------------------|
| Other Electrical Characteristic 1: | NBS Low Noise Test (Modified), MIL-C-17 Paragraph 4.8.14, 8 mV Peak to Peak Max |
|------------------------------------|---------------------------------------------------------------------------------|

|                                  |      |
|----------------------------------|------|
| Max. Noise Level (Peak to Peak): | 5 mV |
|----------------------------------|------|

**Notes (Overall)**

**Notes:** Not recommended for RF use.

**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

| Item #       | Putup  | Ship Weight | Color | Notes | Item Desc              |
|--------------|--------|-------------|-------|-------|------------------------|
| 9239 010100  | 30 MT  | 0.454 KG    | BLACK |       | #26AWG LOW NOISE COAX  |
| 9239 0101000 | 305 MT | 3.629 KG    | BLACK |       | #26 AWG LOW NOISE COAX |
| 9239 010500  | 152 MT | 2.041 KG    | BLACK |       | #26AWG LOW NOISE COAX  |

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