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1-800-Belden1



## General 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. (in.) |
|--------|-----|-----------|----------------------------------|------------|
| 1      | 26  | 7x34      | BCCS - Bare Copper Covered Steel | .019       |

Total Number of Conductors: 1

### Insulation

Insulation Material:

| Layer # | Insulation Material                 | Dia. (in.) |
|---------|-------------------------------------|------------|
| 1       | PE - Polyethylene                   | .044       |
| 2       | Conductive PVC - Polyvinyl Chloride | .056       |

### 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 Cable

Overall Nominal Diameter: 0.101 in.

## Mechanical Characteristics (Overall)

|                                   |                |
|-----------------------------------|----------------|
| Operating Temperature Range:      | -40°C To +60°C |
| Non-UL Temperature Rating:        | 60°C           |
| Bulk Cable Weight:                | 7 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 14.400 lbs.    |
| Min. Bend Radius/Minor Axis:      | 1 in.          |

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

|                                       |            |
|---------------------------------------|------------|
| EU Directive 2011/65/EU (ROHS II):    | Yes        |
| 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        |
| MIL 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/ft)**  
38

**Nominal Velocity of Propagation:**

**VP (%)**  
62

**Nom. Conductor DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**  
97.0

**Nominal Outer Shield DC Resistance:**

**DCR @ 20°C (Ohm/1000 ft)**  
14

**Max. Operating Voltage - Other:**

**Voltage**  
300 Vrms

**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.

## Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color | Notes | Item Desc              |
|--------------|----------|-------------|-------|-------|------------------------|
| 9239 010100  | 100 FT   | 1.000 LB    | BLACK |       | #26AWG LOW NOISE COAX  |
| 9239 0101000 | 1,000 FT | 8.000 LB    | BLACK |       | #26 AWG LOW NOISE COAX |
| 9239 010500  | 500 FT   | 4.500 LB    | BLACK |       | #26AWG LOW NOISE COAX  |

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