

Product: [9239](#) 

Audio Coax, Low Noise, RG-174, 26 AWG Str BCCS, 90% TC Brd, PVC Jkt



Product Description

Audio Coax, Low Noise, RG-174, 26 AWG (7x34) Bare Copper Covered Steel Conductor, PE Insulation, PVC Conductive Layer, 90% Tinned Copper Braid Shield, PVC Jacket

Technical Specifications

Product Overview

|                        |                                                     |
|------------------------|-----------------------------------------------------|
| Suitable Applications: | Low noise microphone, Analog audio, Instrumentation |
|------------------------|-----------------------------------------------------|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material                         | Nominal Diameter | No. of Coax |
|-----|-----------|----------------------------------|------------------|-------------|
| 26  | 7x34      | BCCS - Bare Copper Covered Steel | 0.019 in         | 1           |

|                  |   |
|------------------|---|
| Conductor Count: | 1 |
|------------------|---|

Insulation

| Layer | Material                              | Nominal Diameter |
|-------|---------------------------------------|------------------|
| 1     | PE - Polyethylene                     | 0.044 in         |
| 2     | PVC - Polyvinyl Chloride (Conductive) | 0.056 in         |

Outer Shield

| Type  | Material           | Coverage [%] |
|-------|--------------------|--------------|
| Braid | Tinned Copper (TC) | 90%          |

Outer Jacket

| Material                 | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.101 in         |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Conductor DCR Conductor Resistance | Nominal Outer Shield DCR | Outer Conductor DCR |
|-----------------------|--------------------------------------------|--------------------------|---------------------|
| 89.6 Ohm/1000ft       | 97 Ohm/1000ft                              | 14 Ohm/1000ft            | 11.7 Ohm/1000ft     |

Capacitance

| Nom. Capacitance Conductor to Shield |
|--------------------------------------|
| 44 pF/ft                             |

Delay

| Nominal Velocity of Propagation (VP) [%] |
|------------------------------------------|
| 57%                                      |

Voltage

| Voltage Rating [V] |
|--------------------|
| 300 V RMS          |

|                                   |                                                                                    |
|-----------------------------------|------------------------------------------------------------------------------------|
| Electrical Characteristics Notes: | NBS Low Noise Test (Modified), MIL-DTL-17J Paragraph 4.8.14, 8 mV Peak to Peak Max |
|-----------------------------------|------------------------------------------------------------------------------------|

### Temperature Range

|                       |                |
|-----------------------|----------------|
| Non-UL Temp Rating:   | 60°C           |
| Operating Temp Range: | -40°C To +60°C |

### Mechanical Characteristics

|                              |                |
|------------------------------|----------------|
| Bulk Cable Weight:           | 7.6 lbs/1000ft |
| Max. Pull Tension:           | 14.4 lbs       |
| Min. Bend Radius/Minor Axis: | 1 in           |

### Standards

|                |     |
|----------------|-----|
| CPR Euroclass: | Eca |
|----------------|-----|

### Applicable Environmental and Other Programs

|                                   |                               |
|-----------------------------------|-------------------------------|
| Environmental Space:              | Indoor (Not Riser or Plenum)  |
| EU Directive 2000/53/EC (ELV):    | Yes                           |
| EU Directive 2003/11/EC (BFR):    | Yes                           |
| EU Directive 2011/65/EU (RoHS 2): | Yes                           |
| EU Directive 2012/19/EU (WEEE):   | Yes                           |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR) |
| EU CE Mark:                       | Yes                           |
| MII Order #39 (China RoHS):       | Yes                           |

### Suitability

|                                    |     |
|------------------------------------|-----|
| Suitability - Aerial:              | No  |
| Suitability - Burial:              | No  |
| Suitability - Hazardous Locations: | No  |
| Suitability - Indoor:              | Yes |
| Suitability - Outdoor:             | No  |
| Suitability - Sunlight Resistance: | No  |

### Flammability, LSOH, Toxicity Testing

|                   |               |
|-------------------|---------------|
| IEC Flammability: | IEC 60332-1-2 |
|-------------------|---------------|

### Plenum/Non-Plenum

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

### Part Number

#### Variants

| Item #       | Color | Put-Up Type | Length   | UPC          |
|--------------|-------|-------------|----------|--------------|
| 9239 010100  | Black | Reel        | 100 ft   | 612825358824 |
| 9239 010500  | Black | Reel        | 500 ft   | 612825358855 |
| 9239 0101000 | Black | Reel        | 1,000 ft | 612825357728 |

### Product Notes

|        |                                                           |
|--------|-----------------------------------------------------------|
| Notes: | Not recommended for RF use. Low noise audio applications. |
|--------|-----------------------------------------------------------|

### History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.239 Revision Date: 08-27-2021 |
|----------------------|--------------------------------------------------|

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