

Part Number: 9239

Special Audio, Low Noise, RG174 Type, 26 AWG



Product Description

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

Technical Specifications

Product Overview

| | |
|----------------------|------------------------------|
| Environmental Space: | Indoor (Not Riser or Plenum) |
|----------------------|------------------------------|

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 |
| Conductor Size: | 26 AWG |

Insulation

| Layer | Material | Nominal Diameter |
|-------|-----------------------|------------------|
| 1 | PE - Polyethylene | 0.044 in |
| 2 | CPVC - Conductive PVC | 0.056 in |

Outer Shield Material

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

Outer Jacket Material

| 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 | |
| Shielding: | Braid(s) |

Delay

| |
|---|
| Nominal Velocity of Propagation (VP) [%] |
| 57.0 % |

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 Recommended Pulling Tension: | 14.4 lbs |
| Min Bend Radius/Minor Axis: | 1 in |

Standards

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

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |
| CA Prop 65 (CJ for Wire & Cable): | 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 |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color |
|--------------|-------|
| 9239 010100 | Black |
| 9239 0101000 | Black |
| 9239 010500 | Black |

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