### 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

<table>
<thead>
<tr>
<th># Coax</th>
<th>AWG</th>
<th>Stranding</th>
<th>Conductor Material</th>
<th>Dia. (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>26</td>
<td>7x34</td>
<td>BCCS - Bare Copper Covered Steel</td>
<td>.019</td>
</tr>
</tbody>
</table>

Total Number of Conductors: 1

#### Insulation

<table>
<thead>
<tr>
<th>Layer #</th>
<th>Insulation Material</th>
<th>Dia. (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PE - Polyethylene</td>
<td>.044</td>
</tr>
<tr>
<td>2</td>
<td>Conductive PVC - Polyvinyl Chloride</td>
<td>.056</td>
</tr>
</tbody>
</table>

#### Outer Shield

<table>
<thead>
<tr>
<th>Type</th>
<th>Outer Shield Material</th>
<th>Coverage (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Braid</td>
<td>TC - Tinned Copper</td>
<td>90</td>
</tr>
</tbody>
</table>

#### Outer Jacket

<table>
<thead>
<tr>
<th>Outer Jacket Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC - Polyvinyl Chloride</td>
</tr>
</tbody>
</table>

#### 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)

<table>
<thead>
<tr>
<th>Applicable Standards &amp; Environmental Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU Directive 2011/65/EU (ROHS II): Yes</td>
</tr>
<tr>
<td>EU CE Mark: Yes</td>
</tr>
<tr>
<td>EU Directive 2002/95/EC (RoHS): Yes</td>
</tr>
<tr>
<td>EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004</td>
</tr>
<tr>
<td>EU Directive 2003/96/EC (WEEE): Yes</td>
</tr>
<tr>
<td>CA Prop 65 (CJ for Wire &amp; Cable): Yes</td>
</tr>
<tr>
<td>MII Order #39 (China RoHS): Yes</td>
</tr>
<tr>
<td>RG Type: 174U</td>
</tr>
</tbody>
</table>

### Plenum/Non-Plenum

<table>
<thead>
<tr>
<th>Plenum (Y/N):</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>Item #</th>
<th>Putup</th>
<th>Ship Weight</th>
<th>Color</th>
<th>Notes</th>
<th>Item Desc</th>
</tr>
</thead>
<tbody>
<tr>
<td>9239 010100</td>
<td>100 FT</td>
<td>1.000 LB</td>
<td>BLACK</td>
<td></td>
<td>#26AWG LOW NOISE COAX</td>
</tr>
<tr>
<td>9239 0101000</td>
<td>1,000 FT</td>
<td>8.000 LB</td>
<td>BLACK</td>
<td></td>
<td>#26 AWG LOW NOISE COAX</td>
</tr>
<tr>
<td>9239 010500</td>
<td>500 FT</td>
<td>4.500 LB</td>
<td>BLACK</td>
<td></td>
<td>#26AWG LOW NOISE COAX</td>
</tr>
</tbody>
</table>

Revision Number: 2    Revision Date: 02-25-2015

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