### General Description:

RG-174/U type, 26 AWG stranded (7x34) .019" bare copper-covered steel conductor, polyethylene insulation, tinned copper braid shield (90% coverage), PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

<table>
<thead>
<tr>
<th>AWG</th>
<th>Stranding</th>
<th>Conductor Material</th>
<th>Dia. (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>7x34</td>
<td>BCCS - Bare Copper Covered Steel</td>
<td>0.4826</td>
</tr>
</tbody>
</table>

Total Number of Conductors: 1

#### Insulation

Insulation Material:

<table>
<thead>
<tr>
<th>Insulation Material Dia. (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE - Polyethylene</td>
</tr>
<tr>
<td>1.524</td>
</tr>
</tbody>
</table>

#### Outer Shield

Outer Shield Material:

<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

Outer Jacket Material:

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

Overall Nominal Diameter: 2.794 mm

### Mechanical Characteristics (Overall)

<table>
<thead>
<tr>
<th>Operating Temperature Range:</th>
<th>-40°C To +75°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>UL Temperature Rating:</td>
<td>60°C</td>
</tr>
<tr>
<td>Bulk Cable Weight:</td>
<td>11.906 Kg/Km</td>
</tr>
<tr>
<td>Max. Recommended Pulling Tension:</td>
<td>93.412 N</td>
</tr>
<tr>
<td>Min. Bend Radius/Minor Axis:</td>
<td>25.400 mm</td>
</tr>
</tbody>
</table>

### Applicable Specifications and Agency Compliance (Overall)

<table>
<thead>
<tr>
<th>Applicable Standards &amp; Environmental Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>AWM Specification:</td>
</tr>
<tr>
<td>UL Style 1354</td>
</tr>
<tr>
<td>EU Directive 2011/65/EU (ROHS II):</td>
</tr>
<tr>
<td>EU CE Mark:</td>
</tr>
<tr>
<td>EU Directive 2002/95/EC (RoHS):</td>
</tr>
<tr>
<td>EU RoHS Compliance Date (mm/dd/yyyy):</td>
</tr>
<tr>
<td>EU Directive 2002/96/EC (WEEE):</td>
</tr>
</tbody>
</table>
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. Inductance:
- Inductance (µH/m)
  - 0.252637

Nom. Capacitance Conductor to Shield:
- Capacitance (pF/m)
  - 101.055

Nominal Velocity of Propagation:
- VP (%)
  - 66

Nominal Delay:
- Delay (ns/m)
  - 5.05274

Nom. Conductor DC Resistance:
- DCR @ 20°C (Ohm/km)
  - 318.257

Nominal Outer Shield DC Resistance:
- DCR @ 20°C (Ohm/km)
  - 35.1067

Nom. Attenuation:
- Freq. (MHz) | Attenuation (dB/100m)
  - 1 | 6.2339
  - 10 | 10.8273
  - 50 | 19.0298
  - 100 | 27.5604
  - 200 | 41.0125
  - 400 | 62.339
  - 700 | 88.587
  - 900 | 101.711
  - 1000 | 111.554

Max. Power Rating:
- Freq. (MHz) | Rating (W)
  - 1 | 976
  - 10 | 354
  - 50 | 197
  - 100 | 161
  - 200 | 136
  - 400 | 120
  - 700 | 112
  - 900 | 109
  - 1000 | 108

Max. Operating Voltage - UL:
- Voltage
30 V RMS (UL AWM Style 1354)

Max. Operating Voltage - Non-UL:

Voltage
1100 V RMS (Military)

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>8216 010100</td>
<td>100 FT</td>
<td>1.100 LB</td>
<td>BLACK</td>
<td></td>
<td>#26 PE BRD PVC</td>
</tr>
<tr>
<td>8216 0101000</td>
<td>1,000 FT</td>
<td>9.000 LB</td>
<td>BLACK</td>
<td>G N</td>
<td>#26 PE BRD PVC</td>
</tr>
<tr>
<td>8216 010500</td>
<td>500 FT</td>
<td>5.000 LB</td>
<td>BLACK</td>
<td></td>
<td>#26 PE BRD PVC</td>
</tr>
</tbody>
</table>

Notes:
G = MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 100'
N = FINAL PUT-UP LENGTH MAY VARY -0% TO +10% FROM LENGTH SHOWN.

Revision Number: 3    Revision Date: 08-01-2013

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