Product: 8073

Magnet Wire, #14 Sol BC, Polyester/Amide-imide Polymer Ins

Product Description
Magnet Wire, 14AWG (Solid) Bare Copper, Polyester/Amide-imide Polymer Insulation, CLASS 200 MW 35-C

Technical Specifications

Product Overview
Suitable Applications: class 200 magnet wire

Physical Characteristics (Overall)

Conductor
<table>
<thead>
<tr>
<th>AWG</th>
<th>Stranding</th>
<th>Material</th>
<th>No. of Conductors</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>Solid</td>
<td>BC - Bare Copper</td>
<td>1</td>
</tr>
</tbody>
</table>

Conductor Count: 1

Insulation
<table>
<thead>
<tr>
<th>Material</th>
<th>Nominal Diameter</th>
<th>Nominal Wall Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyester</td>
<td>0.0682 in</td>
<td>0.003 in</td>
</tr>
</tbody>
</table>

Outer Jacket
Max. Diameter: 0.0682 mm

Construction and Dimensions
Min Increase in OD: 0.003 in

Electrical Characteristics

Conductor DCR
Nominal Conductor DCR: 2.5 Ohm/1000ft

Current
Max. Recommended Current [A]:
Single conductor in free air @ 30°C: 5.9 A

Voltage
Breakdown Voltage:
6325 V Minimum (at Room Temperature)

Temperature Range
Operating Temp Range: 200°C

Mechanical Characteristics
Approximate Length: 80 ft
Turns Per Linear Inch: 14.9
### Turns Per Square Inch:
- 222

### Bulk Cable Weight:
- 12.5 lbs/1000ft

### Min. Bend Radius/Minor Axis:
- 0.28 in

### Standards

<table>
<thead>
<tr>
<th>Military Compliance:</th>
<th>J-W-1177/14</th>
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</thead>
<tbody>
<tr>
<td>Other Specification:</td>
<td>NEMA MW-35-C (Heavy)</td>
</tr>
</tbody>
</table>

### Applicable Environmental and Other Programs

- **EU Directive 2000/53/EC (ELV):** Yes
- **EU Directive 2003/96/EC (BFR):** Yes
- **EU Directive 2011/65/EU (RoHS 2):** Yes
- **EU Directive 2012/19/EU (WEEE):** Yes
- **EU Directive 2015/863/EU (RoHS 2 amendment):** Yes
- **EU Directive Compliance:** EU Directive 2003/11/EC (BFR)
- **EU CE Mark:** Yes
- **CA Prop 65:** Yes
- **Mil Order #39 (China RoHS):** Yes

### Flammability, LS0H, Toxicity Testing

- **UL voltage rating:** N/A

### Plenum/Non-Plenum

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

### Part Number

<table>
<thead>
<tr>
<th>Item #</th>
<th>Color</th>
<th>Put-Up Type</th>
<th>Length</th>
<th>UPC</th>
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</thead>
<tbody>
<tr>
<td>8073</td>
<td>None</td>
<td>Reel</td>
<td>1 ft</td>
<td>612825194552</td>
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</tbody>
</table>

### History

| Update and Revision: | Revision Number: 0.373 Revision Date: 12-15-2021 |

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