Product: 8056
Magnet Wire, #32 Sol BC, PUR/NYL Ins

Product Description
Magnet Wire, 32AWG (Solid) Bare Copper, PUR/NYL Insulation, J-W-1177/9 MW 28-C

Technical Specifications

Product Overview
Suitable Applications: solderable magnet wire

Physical Characteristics (Overall)

<table>
<thead>
<tr>
<th>AWG</th>
<th>Stranding</th>
<th>Material</th>
<th>Nominal Diameter</th>
<th>No. of Conductors</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>Solid</td>
<td>BC - Bare Copper</td>
<td>0.008 in</td>
<td>1</td>
</tr>
</tbody>
</table>

Conductor Count: 1

<table>
<thead>
<tr>
<th>Material</th>
<th>Nominal Diameter</th>
<th>Nominal Wall Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>PUR/Nylon - Polyurethane + Nylon</td>
<td>0.0091 in</td>
<td>0.001 in</td>
</tr>
</tbody>
</table>

Outer Jacket
Max. Diameter
0.0091 mm

Construction and Dimensions

Min Increase in OD:
0.001 in

Electrical Characteristics

Conductor DCR
Nominal Conductor DCR
162 Ohm/1000ft

Current
Max. Recommended Current [A]
Single conductor in free air @ 30ºC: 0.091 A

Voltage
Breakdown Voltage
1675 V Minimum (at Room Temperature)

Temperature Range
Non-UL Temp Rating:
130ºC

Mechanical Characteristics

Approximate Length:
2515 ft

Turns Per Linear Inch:
114
Turns Per Square Inch: 12996
Bulk Cable Weight: 0.2 lbs/1000ft
Min. Bend Radius/Minor Axis: 0.04 in

Standards
Military Compliance: J-W-1177/9
Other Specification: NEMA-MW28-C (Single)

Applicable Environmental and Other Programs
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 CE Mark: Yes
CA Prop 65: Yes
Mill 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>
</tr>
</thead>
<tbody>
<tr>
<td>8056</td>
<td>None</td>
<td>Reel</td>
<td>1 ft</td>
<td>612825194521</td>
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</tbody>
</table>

History
Update and Revision: Revision Number: 0.389 Revision Date: 10-13-2021

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