General Description:
Beldsol is a dual insulated Magnet Wire, combining excellent dielectric characteristics of polyurethane and toughness and solvent resistance of a nylon overcoat. Rated by IEEE tests for 270°F usage and will solder without insulation removal at 750°F.

Physical Characteristics (Overall)

Conductor

<table>
<thead>
<tr>
<th># Conductors</th>
<th>AWG</th>
<th>Stranding</th>
<th>Conductor Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>36</td>
<td>Solid</td>
<td>BC - Bare Copper</td>
</tr>
</tbody>
</table>

Total Number of Conductors: 1

Insulation

Insulation Material:
- PUR/Nylon - Polyurethane/Nylon

Min. Increase in OD: 0 in.

Overall Cable

Overall Maximum Diameter: .0058

Mechanical Characteristics (Overall)

Non-UL Temperature Rating: 130°C

Bulk Cable Weight: 0.079 lbs/1000 ft.

Approximate Length: 6400

Turns Per Linear Inch: 180.0

Turns Per Square Inch: 32400

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes
EU Directive 2002/95/EC (RoHS): Yes
EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004
EU Directive 2002/96/EC (WEEE): Yes
CA Prop 65 (CJ for Wire & Cable): Yes
Mil Order #39 (China RoHS): Yes
Military Specification: J-W-1177/9
MIL Spec Rating: Class 130, Type SUN, Single
NEMA Specification: NEMA-MW28-C (Single)

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

<table>
<thead>
<tr>
<th>DCR @ 20°C (Ohm/1000 ft)</th>
<th>Max. Recommended Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>414.800</td>
<td>Current</td>
</tr>
</tbody>
</table>
8058  Hook-up/Lead - Magnet Wire

Breakdown Voltage: 1075 volts minimum at room temperature.

### 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>8058</td>
<td>1 EA</td>
<td>0.531 LB</td>
<td></td>
<td></td>
<td>#36 BELDSOL MAG WIRE</td>
</tr>
</tbody>
</table>

Revision Number: 2  Revision Date: 03-23-2010

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