**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>34</td>
<td>Solid</td>
<td>BC - Bare Copper</td>
</tr>
</tbody>
</table>

**Insulation**

- **Insulation Material:** PUR/Nylon - Polyurethane/Nylon
- **Min. Increase in OD:** 0.001 in.

**Overall**

- **Overall Maximum Diameter:** 0.0072

**Mechanical Characteristics (Overall)**

- **Non-UL Temperature Rating:** 130°C
- **Bulk Cable Weight:** 0.120 lbs/1000 ft.
- **Approximate Length:** 4060
- **Turns Per Linear Inch:** 144.0
- **Turns Per Square Inch:** 20736

**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
- CA Prop 65 (CJ for Wire & Cable): Yes
- MII Order #39 (China RoHS): Yes
- 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:**

- **DCR @ 20°C (Ohm/1000 ft):** 261.300

**Max. Recommended Current:**

- **Current**
8057 Hook-up/Lead - Magnet Wire

Breakdown Voltage: 1350 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>8057</td>
<td>1 EA</td>
<td>0.531 LB</td>
<td></td>
<td></td>
<td>#34 BELDSOL MAG WIRE - 1/2 LB</td>
</tr>
</tbody>
</table>

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

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