General Description:
The Poly-Thermaleze® base coat is a cross-linked, modified polyester. Its top coat is an amide-imide polymer. Rated for 200°C usage, Belden heavy- armored Poly-Thermaleze has exceptional ability to resist solvents and abuse in difficult windings.

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>30</td>
<td>Solid</td>
<td>BC - Bare Copper</td>
</tr>
</tbody>
</table>

Total Number of Conductors: 1

Insulation

Insulation Material:
- Polyester
- Polyester-Imide or Polyester-Amide-Imide Overcoated w/Polyamide-Imide

Min. Increase in OD: 0.001 in.

Overall Cable

Overall Maximum Diameter: .0119

Mechanical Characteristics (Overall)

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 0.320 lbs/1000 ft.

Approximate Length: 3140

Turns Per Linear Inch: 86.2

Turns Per Square Inch: 7430

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
- MIL Order #39 (China RoHS): Yes
- Military Specification: J-W-1177/14
- MIL Spec Rating: Class 200, Type K2 (Heavy)
- NEMA Specification: NEMA-MW-35-C (Heavy)

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>
</tr>
</thead>
<tbody>
<tr>
<td>103.700</td>
</tr>
</tbody>
</table>

Max. Recommended Current:
Current
4150 volts minimum at room temperature.

Breakdown Voltage:

Item # | Putup | Ship Weight | Color | Notes | Item Desc
---|---|---|---|---|---
8081 | 1 EA | 1.031 LB | | | #30 HVY ARM PT MAG WIRE

Put Ups and Colors:

Revision Number: 2    Revision Date: 01-21-2013

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