Introducing
SOLARLOK Grounding Bolt

These bolts are designed for solar module grounding applications using solid copper uninsulated 6 AWG to 12 AWG wire, or stranded copper uninsulated 6 AWG to 10 AWG (7 or 19 strands) wire. The grounding assembly consists of a wire bolt (wire slot on one end and threaded post on the other), wire binding hex nut, and mounting lock washer nut. The grounding assembly is used with metal-framed photovoltaic (solar) panels and related products that require grounding for safety reasons.
APPLICATIONS

Solar panels and related photovoltaic products require grounding per the National Electric Code (NEC Article 690.34). These applications include, but are not limited to, electrical grounding of solar modules and solar roof tiles.

ELECTRICAL

Short Term Current Test (UL 467):
- 6 AWG = 1350A (6 seconds), 8 AWG = 1180A (4 seconds)
- 10 AWG = 750A (4 seconds), 12 AWG = 470A (4 seconds)

MECHANICAL

Secuerness Test (UL 486A-B):
- 6 AWG = 18 lbs (30 minutes), 8 AWG = 8 lbs (30 minutes)
- 10 AWG = 5 lbs (30 minutes), 12 AWG = 5 lbs (30 minutes)

Pull out Test (UL 486A-B):
- 6 AWG = 100 lbs (1 minute), 8 AWG = 90 lbs (1 minute)
- 10 AWG = 80 lbs (1 minute), 12 AWG = 70 lbs (1 minute)

APPLICABLE WIRE SIZES

<table>
<thead>
<tr>
<th>Wire Size</th>
<th>Solid</th>
<th>Stranded</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 AWG</td>
<td>Yes</td>
<td>7 or 19 strands</td>
</tr>
<tr>
<td>8 AWG</td>
<td>Yes</td>
<td>7 or 19 strands</td>
</tr>
<tr>
<td>10 AWG</td>
<td>Yes</td>
<td>7 or 19 strands</td>
</tr>
<tr>
<td>12 AWG</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

MATERIALS

Connector and Hardware: Stainless Steel (Passivated)

PRODUCT OFFERING

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>THREAD</th>
<th>DIM “A”</th>
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<tbody>
<tr>
<td>2058729-1</td>
<td>#8-32 UNC</td>
<td>.380</td>
</tr>
<tr>
<td>2106831-1</td>
<td>#10-32 UNF</td>
<td>.700</td>
</tr>
</tbody>
</table>

APPLICATION TOOLING

Standard hex socket or wrenches with torque driver.

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