Standard Grounding Kit for 1/2 in corrugated coaxial cable and elliptical waveguide 180 and 220

### Product Classification

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Grounding kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ordering Note</td>
<td>CommScope® non-standard product</td>
</tr>
</tbody>
</table>

### General Specifications

<table>
<thead>
<tr>
<th>Bonding Conductor Jacketing Material</th>
<th>PVC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonding Conductor Material</td>
<td>Copper</td>
</tr>
<tr>
<td>Bonding Conductor Wire Size</td>
<td>6 gauge</td>
</tr>
<tr>
<td>Cable Type</td>
<td>Corrugated</td>
</tr>
<tr>
<td>Color</td>
<td>Black</td>
</tr>
<tr>
<td>Grounding Kit Type</td>
<td>Standard Grounding Kits</td>
</tr>
<tr>
<td>Grounding Strap Material</td>
<td>Copper</td>
</tr>
<tr>
<td>Lug Attachment</td>
<td>Factory attached</td>
</tr>
<tr>
<td>Lug Type</td>
<td>Two-hole lug</td>
</tr>
<tr>
<td>Thread Size</td>
<td>3/8 in</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>Bonding Conductor Length</th>
<th>609.6 mm</th>
<th>24 in</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable Jacketing Removal Length, maximum</td>
<td>58.42 mm</td>
<td>2.3 in</td>
</tr>
<tr>
<td>Cable Jacketing Removal Length, minimum</td>
<td>55.88 mm</td>
<td>2.2 in</td>
</tr>
<tr>
<td>Compatible Diameter, maximum</td>
<td>16.51 mm</td>
<td>0.65 in</td>
</tr>
<tr>
<td>Compatible Diameter, minimum</td>
<td>15.494 mm</td>
<td>0.61 in</td>
</tr>
<tr>
<td>Nominal Size</td>
<td>1/2 in</td>
<td></td>
</tr>
<tr>
<td>Waveguide Size</td>
<td>WR42</td>
<td>WG20</td>
</tr>
</tbody>
</table>
Electrical Specifications

Current Handling
Tested to withstand 100,000 amps peak current surge

Current Handling Test Method
MIL-STD-1757

Grounding, Bonding and Shielding Test Method
MIL-STD-188-124A

Lightning Protection Test Method
IEC 1024-1

Material Specifications

Rivet Material
Copper

Environmental Specifications

Operating Temperature
-40 °C to +85 °C (-40 °F to +185 °F)

Storage Temperature
-40 °C to +80 °C (-40 °F to +176 °F)

Blowing Rain Test Method
MIL-STD-810, Method 506

Corrosion Test Method
MIL-STD-1344, Method 1001

Freezing Rain/Icing Test Method
MIL-STD-810, Method 521

Humidity Test Method
MIL-STD-1344, Method 1002

Immersion Test Method
IEC 60529:2001, IP68

UV Resistance Test Method
MIL-STD-810, Method 505

Vibration Test Method
MIL-STD-202, Method 214

Weatherproofing Method
Butyl and electric tape

Packaging and Weights

Height, packed
266.7 mm | 10.5 in

Width, packed
266.7 mm | 10.5 in

Length, packed
58.42 mm | 2.3 in

Included
Grounding kit | Hardware | Lug | One roll of 2 in PVC tape | One roll of 24 in butyl rubber tape

Packaging quantity
1

Weight, gross
0.72 kg | 1.587 lb

Regulatory Compliance/Certifications

Agency
Classification
CHINA-ROHS
Below maximum concentration value
ISO 9001:2015
Designed, manufactured and/or distributed under this quality management system
REACH-SVHC Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS Compliant

Included Products
42615-10  Butyl Rubber Tape, 24 in
9905-71  Black 2 in PVC Tape, 20 ft

* Footnotes

**Grounding, Bonding and Shielding Test Method**
Military Standard for Grounding, Bonding, and Shielding: Bond Resistance Requirement of a Maximum dc resistance of 0.001 ohm

**Lightning Protection Test Method**
Protection Against Lightning Electromagnetic Impulse, Table 1—Protection Level III–IV, 1995-02