# Standard Grounding Kit for elliptical waveguide

**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>Cable Type</td>
<td>Elliptical waveguide</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>One-hole lug, screw on</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>50.8 mm</td>
<td>2 in</td>
</tr>
<tr>
<td>Compatible Diameter, minimum</td>
<td>49.022 mm</td>
<td>1.93 in</td>
</tr>
<tr>
<td>Waveguide Size</td>
<td>WR187</td>
<td>WG12</td>
</tr>
</tbody>
</table>

## Electrical Specifications

<table>
<thead>
<tr>
<th>Current Handling</th>
<th>Tested to withstand 130,000 amps peak current surge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Handling Test Method</td>
<td>MIL-STD-1757</td>
</tr>
</tbody>
</table>
Grounding, Bonding and Shielding Test Method  
Lightning Protection Test Method  

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  
0.64 kg | 1.411 lb

Regulatory Compliance/Certifications

Agency  
CHINA-ROHS  
ISO 9001:2015  
REACH-SVHC  
ROHS

Classification  
Below maximum concentration value  
Designed, manufactured and/or distributed under this quality management system  
Compliant as per SVHC revision on www.commscope.com/ProductCompliance  
Compliant
Included Products

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