Standard Grounding Kit for 5/8 in and 7/8 in corrugated coaxial cable and elliptical waveguide 85, 90, 127A, and 132

Product Classification

Product Type
Grounding kit

Ordering Note
CommScope® standard product in the United States and Canada

General Specifications

Bonding Conductor Jacketing Material
PVC

Bonding Conductor Material
Copper

Bonding Conductor Wire Size
6 gauge

Cable Type
Corrugated | Elliptical waveguide

Color
Black

Grounding Kit Type
Standard Grounding Kits

Grounding Strap Material
Copper

Lug Attachment
Field attached

Lug Type
Two-hole lug

Thread Size
3/8 in

Dimensions

Bonding Conductor Length
1524 mm | 60 in

Cable Jacketing Removal Length, maximum
58.42 mm | 2.3 in

Cable Jacketing Removal Length, minimum
55.88 mm | 2.2 in

Compatible Diameter, maximum
28.702 mm | 1.13 in

Compatible Diameter, minimum
21.336 mm | 0.84 in

Nominal Size
5/8 in | 7/8 in

Waveguide Size
WR62 | WG18 | R140 | WR75 | WG17 | R120 | WR90 | WG16 | R100
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**
363.22 mm | 14.3 in

**Width, packed**
261.62 mm | 10.3 in

**Length, packed**
63.5 mm | 2.5 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**
0.83 kg | 1.83 lb

Regulatory Compliance/Certifications

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
</tr>
<tr>
<td>REACH-SVHC</td>
<td>Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a></td>
</tr>
</tbody>
</table>
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