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

<table>
<thead>
<tr>
<th>Height, packed</th>
<th>363.22 mm</th>
<th>14.3 in</th>
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<tbody>
<tr>
<td>Width, packed</td>
<td>261.62 mm</td>
<td>10.3 in</td>
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<tr>
<td>Length, packed</td>
<td>63.5 mm</td>
<td>2.5 in</td>
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<table>
<thead>
<tr>
<th>Included</th>
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<tbody>
<tr>
<td>Grounding kit</td>
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<table>
<thead>
<tr>
<th>Packaging quantity</th>
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<tbody>
<tr>
<td>Weight, gross</td>
<td>0.83 kg</td>
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### Regulatory Compliance/Certifications

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