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

### Product Classification

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

### 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**                      | Factory attached |
| **Lug Type**                            | Two-hole lug |
| **Thread Size**                         | 3/8 in |

### Dimensions

| **Bonding Conductor Length**       | 609.6 mm | 24 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**   | 16.51 mm | 0.65 in |
| **Compatible Diameter, minimum**   | 15.494 mm | 0.61 in |
| **Nominal Size**                   | 1/2 in |
| **Waveguide Size**                 | WR42 | WG20 | R220 | WR51 | WG19 | R180 |

### 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
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