Universal Grounding Kit for HELIAX® 1/2 in through 1-5/8 in corrugated and smoothwall coaxial cable, elliptical waveguide 63 through 180 and FiberFeed Hybrid cables

### Product Classification

**Product Type**
Grounding kit

### Dimensions

<table>
<thead>
<tr>
<th>Waveguide Size</th>
<th>WR51–WR137</th>
<th>WG19–WG14</th>
<th>R180–R70</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bonding Conductor Length</td>
<td>1524.0 mm</td>
<td>60 in</td>
<td></td>
</tr>
<tr>
<td>Cable Jacketing Removal Length, maximum</td>
<td>59.1 mm</td>
<td>2.3 in</td>
<td></td>
</tr>
<tr>
<td>Cable Jacketing Removal Length, minimum</td>
<td>55.9 mm</td>
<td>2.2 in</td>
<td></td>
</tr>
<tr>
<td>Compatible Diameter, maximum</td>
<td>50.800 mm</td>
<td>2.000 in</td>
<td></td>
</tr>
<tr>
<td>Compatible Diameter, minimum</td>
<td>15.494 mm</td>
<td>0.610 in</td>
<td></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

### 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)

**Weatherproofing Method**
Butyl and electric tape

### General Specifications

**Grounding Kit Type**
Universal Grounding Kits

**Cable Type**
Corrugated | Elliptical waveguide | Smoothwall

**Ordering Note**
CommScope® standard product in Mexico, Central America, and South America | CommScope® standard product in the United States and Canada

**Color**
Black

**Bonding Conductor Material**
Copper

**Bonding Conductor Wire Size**
6 gauge

**Bonding Conductor Jacketing Material**
PVC

**Grounding Strap Material**
Tinned copper
Includes

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

Lug Attachment
Field attached

Lug Type
Two-hole lug

Package Quantity
1

Rivet Material
Copper

Mechanical Specifications

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

Thread Size
3/8 in

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

Vibration Test Method
MIL-STD-202, Method 214

Packed Dimensions

<table>
<thead>
<tr>
<th>Height</th>
<th>215.9 mm</th>
<th>8.5 in</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>63.5 mm</td>
<td>2.5 in</td>
</tr>
</tbody>
</table>

Shipping Weight
0.71 kg | 1.56 lb

Width
152.4 mm | 6.0 in

Regulatory Compliance/Certifications

Agency     Classification
ISO 9001:2015 Designed, manufactured and/or distributed under this quality management system

Included Products

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

* 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

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Black 2 in PVC Tape, 20 ft

Product Classification

Product Type
Weatherproofing tape

Dimensions

Length
6096.00 mm | 240.00 in
Nominal Size
1-1/4 in | 1-5/8 in | 1/2 in | 1/4 in | 2-1/4 in | 3/8 in | 5/8 in | 7/8 in
Width
50.80 mm | 2.00 in

General Specifications

Application
Provides additional moisture seal for cable connections
Applications per Kit
Four 1/2 in–1/2 in | Four 1/2 in–7/8 in to device | One 1/2 in–2-1/4 in | Two 1/2 in–7/8 in
Color
Black
Material Type
PVC tape
Ordering Note
CommScope® non-standard product
Package Quantity
1

Mechanical Specifications

UV Resistance Test Method
PVC tape test method UL 510, ASTM D1000
Weather Resistance Test Method
04AS00-03.6.0 | MIL-STD-1344A, Method 1002

Packed Dimensions

Height
64.0 mm | 2.5 in
Length
51.1 mm | 2.0 in
Shipping Weight
0.08 kg | 0.19 lb
Width
64.0 mm | 2.5 in

Regulatory Compliance/Certifications

Agency
ISO 9001:2015
Classification
Designed, manufactured and/or distributed under this quality management system
## Butyl Rubber Tape, 24 in

### Product Classification

**Product Type** | Weatherproofing tape
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### Dimensions

<table>
<thead>
<tr>
<th></th>
<th>Length</th>
<th>Nominal Size</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Length</strong></td>
<td>609.60 mm</td>
<td>1-1/4 in – 1-5/8 in</td>
<td>63.50 mm</td>
</tr>
<tr>
<td><strong>Nominal Size</strong></td>
<td>24.00 in</td>
<td>1/2 in – 1/4 in</td>
<td>2.50 in</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td>609.60 mm</td>
<td>1-1/4 in – 1-5/8 in</td>
<td>63.50 mm</td>
</tr>
</tbody>
</table>

### General Specifications

**Application** | Provides additional moisture seal for cable connections

**Applications per Kit** | One 1/2 in – 2-1/4 in | One 1/2 in – 7/8 in | One 1/2 in – 7/8 in to device | Two 1/2 in – 1/2 in

**Color** | Black

**Material Type** | Butyl rubber tape

**Ordering Note** | CommScope® non-standard product

**Package Quantity** | 1

### Mechanical Specifications

**UV Resistance Test Method** | Butyl test method in QUV weatherometer cycle of 8 hours UV at 150 °F then 4 hours of condensation at 104 °F

**UV Resistance, minimum with no degradation** | ≥1000 hours

**Weather Resistance Test Method** | 04AS00-03.6.0 | MIL-STD-1344A, Method 1002

### Packed Dimensions

<table>
<thead>
<tr>
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<th>Height</th>
<th>Length</th>
<th>Shipping Weight</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Height</strong></td>
<td>64.0 mm</td>
<td>24.9 mm</td>
<td>0.17 kg</td>
<td>69.9 mm</td>
</tr>
<tr>
<td><strong>Length</strong></td>
<td>2.5 in</td>
<td>1.0 in</td>
<td>0.37 lb</td>
<td>2.8 in</td>
</tr>
</tbody>
</table>

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## Regulatory Compliance/Certifications

<table>
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<th>Agency</th>
<th>Classification</th>
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<tbody>
<tr>
<td>RoHS 2011/65/EU</td>
<td>Compliant</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
</tr>
<tr>
<td>China RoHS SJ/T 11364-2014</td>
<td>Below Maximum Concentration Value (MCV)</td>
</tr>
</tbody>
</table>