Standard Grounding Kit for elliptical waveguide

Product Classification

**Product Type**
Grounding kit

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

General Specifications

**Bonding Conductor Jacketing Material**
PVC

**Bonding Conductor Material**
Copper

**Cable Type**
Elliptical waveguide

**Color**
Black

**Grounding Kit Type**
Standard Grounding Kits

**Grounding Strap Material**
Copper

**Lug Attachment**
Factory attached

**Lug Type**
One-hole lug, screw on

**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**
50.8 mm | 2 in

**Compatible Diameter, minimum**
49.022 mm | 1.93 in

**Waveguide Size**
WR187 | WG12 | R48

Electrical Specifications

**Current Handling**
Tested to withstand 130,000 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
- Weatherproofing Method: Butyl and electric tape

Packaging and Weights

- Height, packed: 266.7 mm | 10.5 in
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- 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

- 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
- ROHS: 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