Standard Grounding Kit for 1-5/8 in corrugated coaxial cable and elliptical waveguide 52 and 63

Product Classification

**Product Type**
- Grounding kit

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

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**
- 50.8 mm  |  2 in

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

**Nominal Size**
- 1-5/8 in

**Waveguide Size**
- WR137 | WG14 | R70  |  WR159 | WG13 | R58
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


Classification: Designed, manufactured and/or distributed under this quality management system

Agency: REACH-SVHC

Classification: 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