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® 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: 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

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

Agency | Classification
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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
UK-ROHS Compliant

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