

241088-1



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

Product Classification

Product Type	Grounding kit
Ordering Note	CommScope® standard product (Global)

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

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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
ROHS	Compliant
UK-ROHS	Compliant



Included Products

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

* Footnotes

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| 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 |