

242948



Standard Grounding Kit for 1/4 in and 3/8 in corrugated and braided coaxial cable, FSJ4-50B cable, and elliptical waveguide 240 and 380

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	Braided Corrugated Elliptical waveguide
Color	Black
Grounding Kit Type	Standard Grounding Kits
Grounding Strap Material	Tinned 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	12.192 mm 0.48 in
Compatible Diameter, minimum	6.223 mm 0.245 in
Nominal Size	1/2 in 1/4 in 3/8 in
Waveguide Size	WR28 WG22 R320 WR42 WG20 R220

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	Tinned copper
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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	269.24 mm 10.6 in
Width, packed	58.42 mm 2.3 in
Length, packed	203.2 mm 8 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	0.49 kg 1.08 lb

Regulatory Compliance/Certifications

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



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