223158-4

Standard Grounding Kit for 1/4 in and 3/8 in corrugated coaxial cable, CNT-300 and CNT-400 braided cable, and elliptical waveguide 240 and 380

Product Classification

Product Type	Grounding kit

Dimensions

Nominal Size	1/4 in | 3/8 in
Waveguide Size	WR28 | WG22 | R320 | WR42 | WG20 | R220
Bonding Conductor Length	1524.0 mm | 60 in
Cable Jacketing Removal Length, maximum	59.1 mm | 2.3 in
Cable Jacketing Removal Length, minimum	55.9 mm | 2.2 in
Compatible Diameter, maximum	9.652 mm | 0.380 in
Compatible Diameter, minimum	6.223 mm | 0.245 in

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

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)
Weatherproofing Method	Butyl and electric tape

General Specifications

Grounding Kit Type	Standard Grounding Kits
Cable Type	Braided | Corrugated | Elliptical waveguide
Ordering Note	CommScope® standard product in the United States and Canada
Color	Black
Bonding Conductor Material	Copper
Bonding Conductor Wire Size	6 gauge
Bonding Conductor Jacketing Material	PVC
Grounding Strap Material	Tinned copper

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Includes	Grounding kit | Hardware | Lug | One roll of 2-1/2 in butyl rubber tape | One roll of 3/4 in PVC tape
Lug Attachment	Field attached
Lug Type	One-hole lug
Package Quantity	1
Rivet Material	Copper

Mechanical Specifications

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
Thread Size	3/8 in
UV Resistance Test Method	MIL-STD-810, Method 505
Vibration Test Method	MIL-STD-202, Method 214

Packed Dimensions

Height	266.7 mm | 10.5 in
Length	57.2 mm | 2.3 in
Shipping Weight	0.34 kg | 0.75 lb
Width	175.3 mm | 6.9 in

Regulatory Compliance/Certifications

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

Included Products

9905-71 — Black 2 in PVC Tape, 20 ft

42615-10 — Butyl Rubber Tape, 24 in

* 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

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