



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® standard product in the United States and Canada

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

220497

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
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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	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
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



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