241088-2

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 Europe, the Middle East, and Africa | CommScope® standard product in Mexico, Central America, and South America

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	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

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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	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

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241088-2

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

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42615-10

Butyl Rubber Tape, 24 in

Product Classification

Product Type	Weatherproofing tape
Ordering Note	CommScope® non-standard product

General Specifications

Application	Provides additional moisture seal for cable connections
Applications per Kit	One 1/2 in–2-1/4 in | One 1/2 in–7/8 in | One 1/2 in–7/8 in to device | Two 1/2 in–1/2 in
Color	Black

Dimensions

Width	63.5 mm | 2.5 in
Length	609.6 mm | 24 in
Nominal Size	1-1/4 in | 1-5/8 in | 1/2 in | 1/4 in | 2-1/4 in | 3/8 in | 5/8 in | 7/8 in

Material Specifications

Material Type	Butyl rubber tape

Environmental Specifications

UV Resistance Test Method	Butyl test method in QUV weatherometer cycle of 8 hours UV at 150 °F then 4 hours of condensation at 104 °F
UV Resistance, minimum with no degradation	=1000 hours
Weather Resistance Test Method	04AS00-03.6.0 | MIL-STD-1344A, Method 1002

Packaging and Weights

Height, packed	63.5 mm | 2.5 in

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42615-10

Width, packed	71.12 mm | 2.8 in
Length, packed	25.4 mm | 1 in
Packaging quantity	1
Weight, gross	0.17 kg | 0.375 lb

Regulatory Compliance/Certifications

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

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9905-71

Black 2 in PVC Tape, 20 ft

Product Classification

Product Type	Weatherproofing tape
Ordering Note	CommScope® non-standard product

General Specifications

Application	Provides additional moisture seal for cable connections
Applications per Kit	Four 1/2 in–1/2 in | Four 1/2 in–7/8 in to device | One 1/2 in–2-1/4 in | Two 1/2 in–7/8 in
Color	Black

Dimensions

Width	50.8 mm | 2 in
Length	6096 mm | 240 in
Nominal Size	1-1/4 in | 1-5/8 in | 1/2 in | 1/4 in | 2-1/4 in | 3/8 in | 5/8 in | 7/8 in

Material Specifications

Material Type	PVC tape

Environmental Specifications

UV Resistance Test Method	PVC tape test method UL 510, ASTM D1000
Weather Resistance Test Method	04AS00-03.6.0 | MIL-STD-1344A, Method 1002

Packaging and Weights

Height, packed	63.5 mm | 2.5 in
Width, packed	63.5 mm | 2.5 in
Length, packed	50.8 mm | 2 in

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9905-71

Packaging quantity	1
Weight, gross	0.08 kg | 0.176 lb

Regulatory Compliance/Certifications

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

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