UG12158-15B4-T



Universal Grounding Kit for HELIAX® 1/2 in through 1-5/8 in corrugated and smoothwall coaxial cable, elliptical waveguide 63 through 180 and FiberFeed Hybrid cables

Product Classification

Product Type	Grounding kit
Ordering Note	CommScope® standard product in Mexico, Central America, and South America | 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 | Smoothwall
Color	Black
Grounding Kit Type	Universal Grounding Kits
Grounding Strap Material	Tinned 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	50.8 mm | 2 in
Compatible Diameter, minimum	15.494 mm | 0.61 in
Waveguide Size	WR51–WR137 | WG19–WG14 | R180–R70

Electrical Specifications

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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	215.9 mm | 8.5 in
Width, packed	152.4 mm | 6 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	0.71 kg | 1.565 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

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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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