



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

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|----------------------|---------------------------------|
| Product Type | Grounding kit |
| Product Brand | HELIAX® |
| Ordering Note | CommScope® non-standard product |

General Specifications

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|---|---|
| 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 | Field attached |
| Lug Type | One-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 | 9.652 mm 0.38 in |
| Compatible Diameter, minimum | 6.223 mm 0.245 in |
| Nominal Size | 1/4 in 3/8 in |
| Waveguide Size | WR28 WG22 R320 WR42 WG20 R220 |

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

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|-----------------------|--------|
| Rivet Material | Copper |
|-----------------------|--------|

Environmental Specifications

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|--|--------------------------------------|
| 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

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|---------------------------|---|
| Height, packed | 266.7 mm 10.5 in |
| Width, packed | 175.26 mm 6.9 in |
| Length, packed | 58.42 mm 2.3 in |
| Included | Grounding kit Hardware Lug One roll of 2-1/2 in butyl rubber tape One roll of 3/4 in PVC tape |
| Packaging quantity | 1 |
| Weight, gross | 0.34 kg 0.75 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 |

223158-4

UK-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