



Standard Grounding Kit for 5/8 in and 7/8 in corrugated coaxial cable and elliptical waveguide 85, 90, 127A, and 132

## Product Classification

<b>Product Type</b>	Grounding kit
<b>Product Brand</b>	HELIAX®
<b>Ordering Note</b>	CommScope® non-standard product

## General Specifications

<b>Bonding Conductor Jacketing Material</b>	PVC
<b>Bonding Conductor Material</b>	Copper
<b>Bonding Conductor Wire Size</b>	6 gauge
<b>Cable Type</b>	Corrugated   Elliptical waveguide
<b>Color</b>	Black
<b>Grounding Kit Type</b>	Standard Grounding Kits
<b>Grounding Strap Material</b>	Copper
<b>Lug Attachment</b>	Field attached
<b>Lug Type</b>	Two-hole lug
<b>Thread Size</b>	3/8 in

## Dimensions

<b>Bonding Conductor Length</b>	1524 mm   60 in
<b>Cable Jacketing Removal Length, maximum</b>	58.42 mm   2.3 in
<b>Cable Jacketing Removal Length, minimum</b>	55.88 mm   2.2 in
<b>Compatible Diameter, maximum</b>	28.702 mm   1.13 in
<b>Compatible Diameter, minimum</b>	21.336 mm   0.84 in
<b>Nominal Size</b>	5/8 in   7/8 in
<b>Waveguide Size</b>	WR62   WG18   R140   WR75   WG17   R120   WR90   WG16   R100

## Electrical Specifications

<b>Current Handling</b>	Tested to withstand 100,000 amps peak current surge
<b>Current Handling Test Method</b>	MIL-STD-1757
<b>Grounding, Bonding and Shielding Test Method</b>	MIL-STD-188-124A
<b>Lightning Protection Test Method</b>	IEC 1024-1

## Material Specifications

<b>Rivet Material</b>	Copper
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## Environmental Specifications

<b>Operating Temperature</b>	-40 °C to +85 °C (-40 °F to +185 °F)
<b>Storage Temperature</b>	-40 °C to +80 °C (-40 °F to +176 °F)
<b>Blowing Rain Test Method</b>	MIL-STD-810, Method 506
<b>Corrosion Test Method</b>	MIL-STD-1344, Method 1001
<b>Freezing Rain/Icing Test Method</b>	MIL-STD-810, Method 521
<b>Humidity Test Method</b>	MIL-STD-1344, Method 1002
<b>Immersion Test Method</b>	IEC 60529:2001, IP68
<b>UV Resistance Test Method</b>	MIL-STD-810, Method 505
<b>Vibration Test Method</b>	MIL-STD-202, Method 214
<b>Weatherproofing Method</b>	Butyl and electric tape

## Packaging and Weights

<b>Height, packed</b>	363.22 mm   14.3 in
<b>Width, packed</b>	261.62 mm   10.3 in
<b>Length, packed</b>	63.5 mm   2.5 in
<b>Included</b>	Grounding kit   Hardware   Lug   One roll of 2 in PVC tape   One roll of 24 in butyl rubber tape
<b>Packaging quantity</b>	1
<b>Weight, gross</b>	0.83 kg   1.83 lb

## Regulatory Compliance/Certifications

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

# 220497

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REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

## Included Products

- 42615-10 – Butyl Rubber Tape, 24 in
- 9905-71 – Black 2 in PVC Tape, 20 ft

## \* Footnotes

<b>Grounding, Bonding and Shielding Test Method</b>	Military Standard for Grounding, Bonding, and Shielding: Bond Resistance Requirement of a Maximum dc resistance of 0.001 ohm
<b>Lightning Protection Test Method</b>	Protection Against Lightning Electromagnetic Impulse, Table 1—Protection Level III–IV, 1995-02