

# 223700-724

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Standard Grounding Kit for 2-1/4 in and 3 in corrugated coaxial cable and elliptical waveguide 28 and 37

## Product Classification

<b>Product Type</b>	Grounding kit
<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>	78.74 mm   3.1 in
<b>Compatible Diameter, minimum</b>	58.674 mm   2.31 in
<b>Nominal Size</b>	2-1/4 in   3 in
<b>Waveguide Size</b>	WR229   WG11   R40   WR284   WG10   R32

## Electrical Specifications

<b>Current Handling</b>	Tested to withstand 100,000 amps peak current surge
<b>Current Handling Test Method</b>	MIL-STD-1757

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**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** 269.24 mm | 10.6 in

**Width, packed** 58.42 mm | 2.3 in

**Length, packed** 177.8 mm | 7 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** 0.92 kg | 2.028 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 <a href="https://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

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| <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                               |