



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>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 |

# 220497

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## 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 |
|-----------------------|--------|

## 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   |
| 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                               |