



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

## Product Classification

**Product Type** Grounding kit

## Dimensions

**Nominal Size** 5/8 in | 7/8 in  
**Waveguide Size** WR62 | WG18 | R140 | WR75 | WG17 | R120 | WR90 | WG16 | R100  
**Bonding Conductor Length** 609.6 mm | 24 in  
**Cable Jacketing Removal Length, maximum** 59.1 mm | 2.3 in  
**Cable Jacketing Removal Length, minimum** 55.9 mm | 2.2 in  
**Compatible Diameter, maximum** 28.702 mm | 1.130 in  
**Compatible Diameter, minimum** 21.336 mm | 0.840 in

## Electrical Specifications

**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

## 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)  
**Weatherproofing Method** Butyl and electric tape

## General Specifications

**Grounding Kit Type** Standard Grounding Kits  
**Cable Type** Corrugated | Elliptical waveguide  
**Ordering Note** CommScope® standard product in Europe, the Middle East, and Africa | CommScope® standard product in Mexico, Central America, and South America  
**Color** Black  
**Bonding Conductor Material** Copper  
**Bonding Conductor Wire Size** 6 gauge  
**Bonding Conductor Jacketing Material** PVC

|                                 |  |
|---------------------------------|--|
| <b>Grounding Strap Material</b> | Copper   |
| <b>Includes</b>                 | Grounding kit   Hardware   Lug   One roll of 2 in PVC tape   One roll of 24 in butyl rubber tape |
| <b>Lug Attachment</b>           | Factory attached   |
| <b>Lug Type</b>                 | Two-hole lug   |
| <b>Package Quantity</b>         | 1  |
| <b>Rivet Material</b>           | Copper   |

## Mechanical Specifications

|  |                           |
|--|---------------------------|
| <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>Thread Size</b>                     | 3/8 in                    |
| <b>UV Resistance Test Method</b>       | MIL-STD-810, Method 505   |
| <b>Vibration Test Method</b>           | MIL-STD-202, Method 214   |

## Packed Dimensions

|                        |                    |
|------------------------|--------------------|
| <b>Height</b>          | 266.7 mm   10.5 in |
| <b>Length</b>          | 57.2 mm   2.3 in   |
| <b>Shipping Weight</b> | 0.72 kg   1.58 lb  |
| <b>Width</b>           | 266.7 mm   10.5 in |

## Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |



## Included Products

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

## \* 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 |
|---|--|

## Lightning Protection Test Method

Protection Against Lightning Electromagnetic Impulse, Table 1—Protection Level III–IV, 1995-02