

## SureGround® Grounding Kit for 1/2 in coaxial cable



### Product Classification

|                     |               |
|---------------------|---------------|
| <b>Brand</b>        | SureGround®   |
| <b>Product Type</b> | Grounding kit |

### Dimensions

|  |                      |
|--|----------------------|
| <b>Nominal Size</b>                            | 1/2 in               |
| <b>Bonding Conductor Length</b>                | 1219.2 mm   48 in    |
| <b>Cable Jacketing Removal Length, maximum</b> | 38.1 mm   1 1/2 in   |
| <b>Cable Jacketing Removal Length, minimum</b> | 38.1 mm   1 1/2 in   |
| <b>Compatible Diameter, maximum</b>            | 16.510 mm   0.650 in |
| <b>Compatible Diameter, minimum</b>            | 15.494 mm   0.610 in |

### 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  |

### 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>Weatherproofing Method</b> | Butyl and electric tape              |

### General Specifications

|   |   |
|---|---|
| <b>Grounding Kit Type</b>                   | SureGround® Grounding Kits                                  |
| <b>Cable Type</b>                           | Corrugated   Smoothwall                                     |
| <b>Ordering Note</b>                        | CommScope® standard product in the United States and Canada |
| <b>Color</b>                                | Black   |
| <b>Bonding Conductor Material</b>           | Copper  |
| <b>Bonding Conductor Wire Size</b>          | 6 gauge   |
| <b>Bonding Conductor Jacketing Material</b> | PVC   |
| <b>Grounding Strap Material</b>             | Tinned copper   |

# SG12-12B2U

|                              |  |
|------------------------------|--|
| <b>Includes</b>              | Grounding kit   Hardware   Lug   One roll of 2 in PVC tape   One roll of 24 in butyl rubber tape |
| <b>Locking Bail Material</b> | Stainless steel  |
| <b>Lug Attachment</b>        | Field attached   |
| <b>Lug Type</b>              | Two-hole lug   |
| <b>Package Quantity</b>      | 1  |
| <b>Rivet Material</b>        | Tinned 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>          | 447.0 mm   17.6 in |
| <b>Length</b>          | 177.8 mm   7.0 in  |
| <b>Shipping Weight</b> | 0.59 kg   1.30 lb  |
| <b>Width</b>           | 395.2 mm   15.6 in |

## Regulatory Compliance/Certifications

| <b>Agency</b> | <b>Classification</b>  |
|---------------|--|
| ISO 9001:2008 | 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 |
| <b>Lightning Protection Test Method</b>             | Protection Against Lightning Electromagnetic Impulse, Table 1—Protection Level III–IV, 1995-02                               |