

# SG78-06B2A

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## SureGround® Grounding Kit for 7/8 in coaxial cable



### Product Classification

|                      |                                      |
|----------------------|--------------------------------------|
| <b>Product Type</b>  | Grounding kit                        |
| <b>Product Brand</b> | SureGround®                          |
| <b>Ordering Note</b> | CommScope® standard product (Global) |

### 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   Smoothwall  |
| <b>Color</b>                                | Black  |
| <b>Grounding Kit Type</b>                   | SureGround® Grounding Kits                                     |
| <b>Grounding Strap Material</b>             | Tinned copper  |
| <b>Harmonized System (HS) Code</b>          | 85366910 (Coaxial cable and other coaxial electric conductors) |
| <b>Lug Attachment</b>                       | Factory attached   |
| <b>Lug Type</b>                             | Two-hole lug   |
| <b>Thread Size</b>                          | 3/8 in   M10   |

### Dimensions

|  |                     |
|--|---------------------|
| <b>Bonding Conductor Length</b>                | 609.6 mm   24 in    |
| <b>Cable Jacketing Removal Length, maximum</b> | 38.1 mm   1.5 in    |
| <b>Cable Jacketing Removal Length, minimum</b> | 38.1 mm   1.5 in    |
| <b>Compatible Diameter, maximum</b>            | 28.702 mm   1.13 in |
| <b>Compatible Diameter, minimum</b>            | 26.67 mm   1.05 in  |
| <b>Nominal Size</b>                            | 7/8 in              |

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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>Locking Bail Material</b> | Stainless steel |
| <b>Rivet Material</b>        | Tinned 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>     | 228.6 mm   9 in  |
| <b>Width, packed</b>      | 215.9 mm   8.5 in  |
| <b>Length, packed</b>     | 58.42 mm   2.3 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>      | 0.62 kg   1.367 lb   |

## Regulatory Compliance/Certifications

| Agency | Classification |
|--------|----------------|
|--------|----------------|

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|               |  |
|---------------|--|
| 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="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                               |