



SureGround® Grounding Kit for 1-5/8 in corrugated coaxial cable

OBSOLETE

This product was discontinued on: October 1, 2013

Replaced By:

| | |
|-------------|--|
| CG158-06B1A | SureGround® Grounding Kit for 1-5/8 in coaxial cable |
| SG158-06B2A | SureGround® Grounding Kit for 1-5/8 in coaxial cable |
| SG158-06S2A | SureGround® Grounding Kit for 1-5/8 in coaxial cable |
| SG158-50G5 | SureGround® Grounding Kit for 1-5/8 in coaxial cable |

Product Classification

| | |
|----------------------|---------------------------------|
| Product Type | Grounding kit |
| Product Brand | SureGround® |
| Ordering Note | CommScope® non-standard product |

General Specifications

| | |
|---|----------------------------|
| Bonding Conductor Jacketing Material | PVC |
| Bonding Conductor Material | Copper |
| Bonding Conductor Wire Size | 6 gauge |
| Cable Type | Corrugated |
| Color | Gray |
| Grounding Kit Type | SureGround® Grounding Kits |
| Grounding Strap Material | Copper |
| Lug Attachment | Factory attached |
| Lug Type | Two-hole lug |
| Thread Size | 3/8 in |

SGL7-06S2

Dimensions

| | |
|--|---------------------|
| Bonding Conductor Length | 609.6 mm 24 in |
| Cable Jacketing Removal Length, maximum | 58.42 mm 2.3 in |
| Cable Jacketing Removal Length, minimum | 55.88 mm 2.2 in |
| Compatible Diameter, maximum | 50.8 mm 2 in |
| Compatible Diameter, minimum | 49.022 mm 1.93 in |
| Nominal Size | 1-5/8 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 |

Material Specifications

| | |
|------------------------------|-----------------|
| Locking Bail Material | Stainless steel |
| 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 | 213.36 mm 8.4 in |
| Width, packed | 152.4 mm 6 in |

SGL7-06S2

| | |
|---------------------------|--|
| Length, packed | 60.96 mm 2.4 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 | 0.54 kg 1.19 lb |

Included Products

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

* Footnotes

| | |
|---|--|
| Grounding, Bonding and Shielding Test Method | 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 |



Butyl Rubber Tape, 24 in

Product Classification

Product Type

Weatherproofing tape

Ordering Note

CommScope® non-standard product

General Specifications

Application

Provides additional moisture seal for cable connections

Applications per Kit

One 1/2 in–2-1/4 in | One 1/2 in–7/8 in | One 1/2 in–7/8 in to device | Two 1/2 in–1/2 in

Color

Black

Dimensions

Width

63.5 mm | 2.5 in

Length

609.6 mm | 24 in

Nominal Size

1-1/4 in | 1-5/8 in | 1/2 in | 1/4 in | 2-1/4 in | 3/8 in | 5/8 in | 7/8 in

Material Specifications

Material Type

Butyl rubber tape

Environmental Specifications

UV Resistance Test Method

Butyl test method in QUV weatherometer cycle of 8 hours UV at 150 °F then 4 hours of condensation at 104 °F

UV Resistance, minimum with no degradation

≥1000 hours

Weather Resistance Test Method

04AS00-03.6.0 | MIL-STD-1344A, Method 1002

Packaging and Weights

Height, packed

63.5 mm | 2.5 in

42615-10

| | |
|---------------------------|--------------------|
| Width, packed | 71.12 mm 2.8 in |
| Length, packed | 25.4 mm 1 in |
| Packaging quantity | 1 |
| Weight, gross | 0.17 kg 0.375 lb |

Regulatory Compliance/Certifications

Agency

ISO 9001:2015



Classification

Designed, manufactured and/or distributed under this quality management system



Black 2 in PVC Tape, 20 ft

Product Classification

| | |
|----------------------|---------------------------------|
| Product Type | Weatherproofing tape |
| Ordering Note | CommScope® non-standard product |

General Specifications

| | |
|-----------------------------|---|
| Application | Provides additional moisture seal for cable connections |
| Applications per Kit | Four 1/2 in–1/2 in Four 1/2 in–7/8 in to device One 1/2 in–2-1/4 in Two 1/2 in–7/8 in |
| Color | Black |

Dimensions

| | |
|---------------------|---|
| Width | 50.8 mm 2 in |
| Length | 6096 mm 240 in |
| Nominal Size | 1-1/4 in 1-5/8 in 1/2 in 1/4 in 2-1/4 in 3/8 in 5/8 in 7/8 in |

Material Specifications

| | |
|----------------------|----------|
| Material Type | PVC tape |
|----------------------|----------|

Environmental Specifications

| | |
|---------------------------------------|--|
| UV Resistance Test Method | PVC tape test method UL 510, ASTM D1000 |
| Weather Resistance Test Method | 04AS00-03.6.0 MIL-STD-1344A, Method 1002 |

Packaging and Weights

| | |
|-----------------------|------------------|
| Height, packed | 63.5 mm 2.5 in |
| Width, packed | 63.5 mm 2.5 in |
| Length, packed | 50.8 mm 2 in |

9905-71

Packaging quantity 1
Weight, gross 0.08 kg | 0.176 lb

Regulatory Compliance/Certifications

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

