

**223158-4****Standard Grounding Kit for 1/4 in and 3/8 in corrugated coaxial cable, CNT-300 and CNT-400 braided cable, and elliptical waveguide 240 and 380**

Dimensions

| | |
|---|---|
| Nominal Size | 1/4 in 3/8 in |
| Waveguide Size | WR28 WG22 R320 WR42 WG20 R220 |
| Bonding Conductor Length | 1524.0 mm 60 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 | 9.652 mm 0.380 in |
| Compatible Diameter, minimum | 6.223 mm 0.245 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 |

General Specifications

| | |
|--------------------------------------|---|
| Cable Type | Braided Corrugated Elliptical waveguide |
| Grounding Kit Type | Standard Grounding Kits |
| Color | Black |
| Bonding Conductor Material | Copper |
| Bonding Conductor Wire Size | 6 gauge |
| Bonding Conductor Jacketing Material | PE |
| Grounding Strap Material | Tinned copper |
| Includes | Grounding kit Hardware Lug One roll of 2-1/2 in butyl rubber tape One roll of 3/4 in PVC tape |
| Lug Attachment | Field attached |
| Lug Type | One-hole lug |
| Package Quantity | 1 |
| Rivet Material | Copper |
| Weatherproofing Method | Butyl and electric tape |

Mechanical Specifications

| | |
|---------------------------------|--------------------------------------|
| 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 |
| Operating Temperature | -40 °C to +85 °C (-40 °F to +185 °F) |
| Storage Temperature | -40 °C to +80 °C (-40 °F to +176 °F) |

223158-4



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

Packed Dimensions

| | |
|-----------------|--------------------|
| Height | 266.7 mm 10.5 in |
| Length | 57.2 mm 2.3 in |
| Shipping Weight | 0.34 kg 0.75 lb |
| Width | 175.3 mm 6.9 in |

Regulatory Compliance/Certifications

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

| | |
|--|--|
| 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 |

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9905-71

Black 2 in PVC Tape, 20 ft

Dimensions

| | |
|--------------|---|
| 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 |
| Length | 6.10 m 20.00 ft |
| Width | 50.80 mm 2.00 in |

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 |
| Material Type | PVC tape |
| Package Quantity | 1 |

Mechanical 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 |

Packed Dimensions

| | |
|-----------------|-------------------|
| Height | 6.4 cm 2.5 in |
| Length | 5.1 cm 2.0 in |
| Shipping Weight | 0.08 kg 0.19 lb |
| Width | 6.4 cm 2.5 in |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| ISO 9001:2008 | Designed, manufactured and/or distributed under this quality management system |



42615-10
Butyl Rubber Tape, 24 in

Dimensions

| | |
|--------------|---|
| 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 |
| Length | 609.60 mm 24.00 in |
| Width | 63.50 mm 2.50 in |

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 |
| Material Type | Butyl rubber tape |
| Package Quantity | 1 |

Mechanical 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 |

Packed Dimensions

| | |
|-----------------|-------------------|
| Height | 6.4 cm 2.5 in |
| Length | 2.5 cm 1.0 in |
| Shipping Weight | 0.17 kg 0.37 lb |
| Width | 69.9 mm 2.8 in |

Regulatory Compliance/Certifications

| Agency | Classification |
|----------------------------|--|
| RoHS 2011/65/EU | Compliant |
| China RoHS SJ/T 11364-2006 | Below Maximum Concentration Value (MCV) |
| ISO 9001:2008 | Designed, manufactured and/or distributed under this quality management system |

