



Standard Grounding Kit for 1/2 in corrugated coaxial cable and elliptical waveguide 180 and 220

Product Classification

| | |
|----------------------|------------------------------|
| Product Type | Grounding kit |
| Product Brand | HELIAX® |
| Ordering Note | ANDREW® non-standard product |

General Specifications

| | |
|---|-----------------------------------|
| Bonding Conductor Jacketing Material | PVC |
| Bonding Conductor Material | Copper |
| Bonding Conductor Wire Size | 6 gauge |
| Cable Type | Corrugated Elliptical waveguide |
| Color | Black |
| Grounding Kit Type | Standard Grounding Kits |
| Grounding Strap Material | Copper |
| Lug Attachment | Field attached |
| Lug Type | Two-hole lug |
| Thread Size | 3/8 in |

Dimensions

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|--|---|
| Bonding Conductor Length | 1524 mm 60 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 | 16.51 mm 0.65 in |
| Compatible Diameter, minimum | 15.494 mm 0.61 in |
| Nominal Size | 1/2 in |
| Waveguide Size | WR42 WG20 R220 WR51 WG19 R180 |

Electrical Specifications

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|---|---|
| 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

| | |
|-----------------------|--------|
| 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 | 269.24 mm 10.6 in |
| Width, packed | 58.42 mm 2.3 in |
| Length, packed | 177.8 mm 7 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 | 0.75 kg 1.653 lb |

Regulatory Compliance/Certifications

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

| | |
|------------|--|
| REACH-SVHC | Compliant as per SVHC revision on www.andrew.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |

Included Products

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

* Footnotes

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|---|--|
| 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 |
| Product Brand | HELIAX® |
| Ordering Note | ANDREW® 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

| | |
|---|---|
| Operating Temperature | -55 °C to +85 °C (-67 °F to +185 °F) |
| 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 |
| Product Brand | HELIAX® |
| Ordering Note | ANDREW® 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

| | |
|---------------------------------------|--|
| Operating Temperature | -10 °C to +80 °C (+14 °F to +176 °F) |
| 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 |