



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

**OBSOLETE**

Replaced By

241545

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

## Product Classification

**Product Type** Grounding kit

## Dimensions

**Nominal Size** 1/2 in  
**Waveguide Size** WR42 | WG20 | R220 | WR51 | WG19 | R180  
**Bonding Conductor Length** 914.4 mm | 36 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** 16.510 mm | 0.650 in  
**Compatible Diameter, minimum** 15.494 mm | 0.610 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

## 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)  
**Weatherproofing Method** Butyl and electric tape

## General Specifications

**Grounding Kit Type** Standard Grounding Kits  
**Cable Type** Corrugated | Elliptical waveguide  
**Ordering Note** CommScope® non-standard product

<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>	Copper
<b>Includes</b>	Grounding kit   Hardware   Lug   One roll of 2 in PVC tape   One roll of 24 in butyl rubber tape
<b>Lug Attachment</b>	Factory attached
<b>Lug Type</b>	Two-hole lug
<b>Package Quantity</b>	1
<b>Rivet Material</b>	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>	266.7 mm   10.5 in
<b>Length</b>	57.2 mm   2.3 in
<b>Shipping Weight</b>	0.72 kg   1.58 lb
<b>Width</b>	266.7 mm   10.5 in

## 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