



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 609.6 mm | 24 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
Color Black
Bonding Conductor Material Copper
Bonding Conductor Wire Size 6 gauge
Bonding Conductor Jacketing Material PVC
Grounding Strap Material Copper

Includes	Grounding kit Hardware Lug One roll of 2 in PVC tape One roll of 24 in butyl rubber tape
Lug Attachment	Factory attached
Lug Type	Two-hole lug
Package Quantity	1
Rivet Material	Copper

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
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	0.72 kg 1.58 lb
Width	266.7 mm 10.5 in

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	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

