

**241088-1****Standard Grounding Kit for 1/2 in corrugated coaxial cable and elliptical waveguide 180 and 220**

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

General Specifications

Cable Type	Corrugated Elliptical waveguide
Grounding Kit Type	Standard Grounding Kits
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
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

241088-1

Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Storage Temperature	-40 °C to +80 °C (-40 °F to +176 °F)
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 9001:2008	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