Product Specifications

220498

Standard Grounding Kit for 1-5/8 in corrugated coaxial cable and elliptical waveguide 52 and 63

Dimensions

Nominal Size	1-5/8 in
Waveguide Size	WR137 | WG14 | R70 | WR159 | WG13 | R58
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	50.800 mm | 2.000 in
Compatible Diameter, minimum	49.022 mm | 1.930 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	Field 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
Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)

Product Specifications

220498

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	362.0 mm | 14.3 in
Length	63.5 mm | 2.5 in
Shipping Weight	0.83 kg | 1.82 lb
Width	260.4 mm | 10.3 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