Standard Grounding Kit for 1-1/4 in corrugated coaxial cable and elliptical waveguide 64 and 77

Product Classification

Product Type
Grounding kit

Ordering Note
CommScope® 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
Factory attached

Lug Type
Two-hole lug

Dimensions

Bonding Conductor Length
609.6 mm | 24 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
40.132 mm | 1.58 in

Compatible Diameter, minimum
38.354 mm | 1.51 in

Nominal Size
1-1/4 in

Waveguide Size
WR112 | WG15 | R84 | WR137 | WG14 | R70
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

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
266.7 mm | 10.5 in

Width, packed
266.7 mm | 10.5 in

Length, packed
58.42 mm | 2.3 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
0.72 kg | 1.587 lb

Regulatory Compliance/Certifications

Agency
Classification
CHINA-ROHS
Below maximum concentration value

ISO 9001:2015
Designed, manufactured and/or distributed under this quality management system
Included Products

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

* 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