

SG214-12B2U

SureGround® Grounding Kit for 2-1/4 in coaxial cable



OBSOLETE

Replaced By:

223700-724

Standard Grounding Kit for 2-1/4 in and 3 in corrugated coaxial cable and elliptical waveguide 28 and 37

Product Classification

Product Type	Grounding kit
Product Brand	SureGround®
Ordering Note	CommScope® non-standard product

General Specifications

Bonding Conductor Jacketing Material	PVDF
Bonding Conductor Material	Copper
Bonding Conductor Wire Size	6 gauge
Cable Type	Corrugated
Color	Black
Grounding Kit Type	SureGround® Grounding Kits
Grounding Strap Material	Copper
Lug Attachment	Field attached
Lug Type	Two-hole lug
Thread Size	3/8 in M10

Dimensions

Bonding Conductor Length	1,219.2 mm 48 in
Cable Jacketing Removal Length, maximum	58.42 mm 2.3 in

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Cable Jacketing Removal Length, minimum	55.88 mm 2.2 in
Compatible Diameter, maximum	61.722 mm 2.43 in
Compatible Diameter, minimum	58.674 mm 2.31 in
Nominal Size	2-1/4 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

Material Specifications

Locking Bail Material	Stainless steel
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	228.6 mm 9 in
Width, packed	152.4 mm 6 in
Length, packed	66.04 mm 2.6 in
Included	Grounding kit Hardware Lug One roll of 2 in PVC tape One roll of 24 in butyl rubber tape
Packaging quantity	1

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Weight, gross

0.56 kg | 1.235 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



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