

Product Specifications

COMMScope®



SGL5-15B4

SureGround® Grounding Kit for 7/8 in corrugated coaxial cable

OBSOLETE

Replaced By

SG78-12B2U

SureGround® Grounding Kit for 7/8 in coaxial cable

Dimensions

Nominal Size	7/8 in
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	28.702 mm 1.130 in
Compatible Diameter, minimum	26.670 mm 1.050 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
Grounding Kit Type	SureGround™ Grounding Kits
Brand	SureGround™
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
Locking Bail Material	Stainless steel
Lug Attachment	Field attached
Lug Type	Two-hole lug
Package Quantity	1
Rivet Material	Copper
Weatherproofing Method	Butyl and electric tape

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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)
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	182.9 mm 7.2 in
Length	71.1 mm 2.8 in
Shipping Weight	0.70 kg 1.54 lb
Width	162.6 mm 6.4 in

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

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9905-71

Black 2 in PVC Tape, 20 ft

Dimensions

Nominal Size	1-1/4 in 1-5/8 in 1/2 in 1/4 in 2-1/4 in 3/8 in 5/8 in 7/8 in
Length	6.10 m 20.00 ft
Width	50.80 mm 2.00 in

General Specifications

Application	Provides additional moisture seal for cable connections
Applications per Kit	Four 1/2 in–1/2 in Four 1/2 in–7/8 in to device One 1/2 in–2-1/4 in Two 1/2 in–7/8 in
Color	Black
Material Type	PVC tape
Ordering Note	CommScope® non-standard product
Package Quantity	1

Mechanical Specifications

UV Resistance Test Method	PVC tape test method UL 510, ASTM D1000
Weather Resistance Test Method	04AS00-03.6.0 MIL-STD-1344A, Method 1002

Packed Dimensions

Height	6.4 cm 2.5 in
Length	5.1 cm 2.0 in
Shipping Weight	0.08 kg 0.19 lb
Width	6.4 cm 2.5 in

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

Product Specifications

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42615-10

Butyl Rubber Tape, 24 in

Dimensions

Nominal Size	1-1/4 in 1-5/8 in 1/2 in 1/4 in 2-1/4 in 3/8 in 5/8 in 7/8 in
Length	609.60 mm 24.00 in
Width	63.50 mm 2.50 in

General Specifications

Application	Provides additional moisture seal for cable connections
Applications per Kit	One 1/2 in–2-1/4 in One 1/2 in–7/8 in One 1/2 in–7/8 in to device Two 1/2 in–1/2 in
Color	Black
Material Type	Butyl rubber tape
Ordering Note	CommScope® non-standard product
Package Quantity	1

Mechanical Specifications

UV Resistance Test Method	Butyl test method in QUV weatherometer cycle of 8 hours UV at 150 °F then 4 hours of condensation at 104 °F
UV Resistance, minimum with no degradation	=1000 hours
Weather Resistance Test Method	04AS00-03.6.0 MIL-STD-1344A, Method 1002

Packed Dimensions

Height	6.4 cm 2.5 in
Length	2.5 cm 1.0 in
Shipping Weight	0.17 kg 0.37 lb
Width	69.9 mm 2.8 in

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
China RoHS SJ/T 11364-2006	Below Maximum Concentration Value (MCV)
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

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