



Standard Grounding Kit for elliptical waveguide 43

Product Classification

Product Type Grounding kit

Dimensions

Waveguide Size WR187 | WG12 | R48
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 50.800 mm | 2.000 in
Compatible Diameter, minimum 49.022 mm | 1.930 in

Electrical Specifications

Current Handling Tested to withstand 130,000 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

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)
Weatherproofing Method Butyl and electric tape

General Specifications

Grounding Kit Type Standard Grounding Kits
Cable Type Elliptical waveguide
Ordering Note CommScope® non-standard product
Color Black
Bonding Conductor Material Copper
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	One-hole lug, screw on
Package Quantity	1
Rivet Material	Copper

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
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	0.64 kg 1.42 lb
Width	266.7 mm 10.5 in

Regulatory Compliance/Certifications

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



Included Products

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



Black 2 in PVC Tape, 20 ft

Product Classification

Product Type Weatherproofing tape

Dimensions

Length 6.10 m | 20.00 ft

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

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

