

Standard Grounding Kit for 4 in corrugated coaxial cable and elliptical waveguide 17 and 20

OBSOLETE

Replaced By:

204989-6 Standard Grounding Kit for 4 in corrugated coaxial cable and elliptical waveguide 17 and 20

Product Classification

Product Type Grounding kit

General Specifications

Bonding Conductor Jacketing Material PVC

Bonding Conductor Material Copper

Cable TypeCorrugatedElliptical waveguide

Color Black

Grounding Kit Type Standard Grounding Kits

Grounding Strap Material Copper

Lug Attachment Field attached

Lug Type One-hole lug, screw on

Thread Size 3/8 in

Dimensions

Bonding Conductor Length1524 mm | 60 inCable Jacketing Removal Length, maximum58.42 mm | 2.3 in

Cable Jacketing Removal Length, minimum 55.88 mm | 2.2 in

Compatible Diameter, maximum 50.8 mm | 2 in

Compatible Diameter, minimum 49.022 mm | 1.93 in

COMMSCOPE®

204989-36

Nominal Size 4 in

Waveguide Size WR430 | WG8 | R22

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 MethodMIL-STD-188-124A

Lightning Protection Test Method IEC 1024-1

Material Specifications

Rivet Material Copper

Environmental Specifications

Operating Temperature $-40 \,^{\circ}\text{C}$ to $+85 \,^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$ to $+185 \,^{\circ}\text{F}$)

Storage Temperature $-40 \,^{\circ}\text{C}$ to $+80 \,^{\circ}\text{C}$ (-40 $^{\circ}\text{F}$ to $+176 \,^{\circ}\text{F}$)

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 MethodMIL-STD-810, Method 505Vibration Test MethodMIL-STD-202, Method 214

Weatherproofing Method Butyl and electric tape

Packaging and Weights

 Height, packed
 419.1 mm | 16.5 in

 Width, packed
 165.1 mm | 6.5 in

 Length, packed
 160.02 mm | 6.3 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 1.15 kg | 2.535 lb

Included Products

COMMSCOPE®

204989-36

9905-71 - Black 2 in PVC Tape, 20 ft

* Footnotes

Grounding, Bonding and Shielding Test MethodMilitary Standard for Grounding, Bonding, and Shielding: Bond Resistance Requirement of a Maximum dc resistance of 0.001 ohm

Lightning Protection Test MethodProtection Against Lightning Electromagnetic Impulse, Table 1—Protection Level III–IV, 1995-02