PRODUCT DATASHEET

GKIT-24-5878

Standard Grounding Kit, Copper Strap, 24" (0.6m) Lead, for 5/8" & 7/8" Coax Cables and 10 to 15GHz Elliptical Waveguides



This GKIT series standard grounding kit features a versatile copper strap design that accommodates multiple waveguide sizes, eliminating the need for size-specific kits and simplifying inventory management. In addition to elliptical waveguides, it is also compatible with coaxial cables, offering greater flexibility. Built to meet industry standards, the kit ensures reliable grounding, bonding, and shielding while withstanding extreme environmental conditions such as moisture, UV exposure, and temperature fluctuations. Designed for reliability, this grounding kit has been tested to withstand lightning surges of up to 100,000 amps. The 6-AWG (13.2mm^2) 7-strand copper wire provides an efficient, low-inductance path for safely transferring lightning-induced currents from the coaxial cable to the system ground. The kit also includes mastic and electrical tape for effective weatherproofing. For optimal protection, grounding kits should be installed at a minimum at the top and bottom of each vertical run, at regular intervals along long vertical runs, and just before building entry. As international and national regulations govern potential equalization, please ensure compliance with all applicable standards.

FEATURES / BENEFITS

- Tested to withstand lightning surges of up to 100,000 amps
- One model accommodates multiple elliptical waveguides and coax cables
- No influence on the electrical transmission characteristics of the transmission lines
- Comes with 3/8" 2-hole lug and hardware, as well as 2"x20' electrical tape and 2.5"x24" mastic.

Technical features

STRUCTURE

Product Line		Cable Installation Accessories
Type of Grounding Kit		Standard Copper Strap
Transmission Line Type		Coax Cables, Elliptical Waveguides, Hybrid Cables
Cable Type		Foam Dielectric, Hybrid, Air Dielectric, Elliptical Waveguide
Cable Size		5/8" and 7/8" Coax and Hybrid, E100, E105, E130, E150, EW90, EW127, EW132 Elliptical Waveguide
Number of Cable / Waveguide Runs		1
Hardware Kit		3/8" x1" Stainless Steel Bolt, 3/8" Stainless Steel Nut, 3/8" Stainless Steel Lock Washer
Sealing Kit		2.5"x24" Mastic and 2"x20' Electrical Tape

MECHANICAL SPECIFICATIONS

Lug Attachment Method		Factory Attached
Lug Style Size		3/8in two-hole lugs, tinned copper
Grounding Wire Length	m (in)	0.6 (24)
Grounding Wire Size	mm^2	13.2 mm^2, 6 AWG (7 strand)
Grounding Wire Color		Black
Grounding Body Color		Black
Sealing Class		IP68

TEMPERATURE SPECIFICATIONS

Operation Temperature	°C (°F)	-40 to 85 (-40 to 185)
Storage Temperature	°C (°F)	-40 to 80 (-40 to 176)

All values nominal unless tolerances provided; information contained in the present datasheet is subject to confirmation at time of ordering

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PACKAGING INFORMATION

Package Quantity		1
Weight per piece	kg (lb)	0.7 (1.7)

External Document Links
Installation Instruction

Notes

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