PRODUCT DATASHEET

GKSPEED20-14P

High speed grounding kit for CELLFLEX® LCF 14

This Grounding Kit has been developed by RFS for the CELLFLEX® cable series. The Grounding Kit body facilitates a proper attachment to the coaxial cable, ensuring that the performance of the coaxial cable is not being compromised. The tin plated copper mesh provides a secure, low resistance contact to the cable outer conductor. The installation only takes a few minutes. No additional sealing with mastic and electrical tape required.

GKSPEED20-78P shown for illustration

FEATURES / BENEFITS

- Compatible with both copper and aluminium cable types i.e. one Grounding Kit for both outer conductor materials eliminates the risk of faulty Grounding Kit installation and helps to keep inventory down.
- This kit has been verified by independent labs to withstand the damaging effects of lightning current in excess of 100kA 8/20µs following EN50164-1. The copper wire provides the most practical and effective low inductance transfer of lightning induced current to ground.
- No influence on the electrical transmission characteristics of the coaxial cable.
- Robust mechanical design.
- UV resistant according to DIN EN ISO 4892-2 (Plastics - Methods of exposure to laboratory light sources - Part 2 Xenon-arc-lamps).
- Ozone resistant according to DIN 53509 (Testing of rubber - Determination of resistance to ozone cracking).
- Compliant to RoHS (EU 2002/95/EC) and CRoHS (China SJ/T11363-2006) i.e. usable on a global basis.

External Document Links

Installation Instruction

Notes

Technical features

STRUCTURE

Product Line		Coaxial Cable Accessories
Type of Grounding Kit		High Speed
Transmission Line Type		LCF14, RGC8
Cable Type		Coaxial Foam Dielectric, Braid/Foil Shield
Cable Size		1/4"
Number of Cable / Waveguide Runs		1
Material		Grounding Kit Body: Stainless steel, with vulcanised EPDM (Ethylene-Propylene-Caoutchouc) Screws: Stainless steel with safety washers Contact element: Tin-plated copper mesh

MECHANICAL SPECIFICATIONS

Lug Attachment Method		Factory Attached
Lug Style Size		1-hole Ø 10.2mm (13/32") crimp-on, tin-plated
Grounding Wire Length	m (in)	0.5 (20)
Grounding Wire Size	mm^2	$16mm^2$ (7x7 strand)
Grounding Wire Color		Black
Grounding Body Color		Black
Sealing Class		IP68

TEMPERATURE SPECIFICATIONS

Operation Temperature	°C (°F)	-50 to 85 (-58 to 185)
Storage Temperature	°C (°F)	-50 to 85 (-58 to 185)

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

PACKAGING INFORMATION

Package Quantity		1
Weight per piece	kg (lb)	0.3 (0.66)

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