PRODUCT DATA SHEET

Earthing components

Lightning protection earthing

Lightning protection systems

Lightning Protection System (LPS) conductors

Code: 6420125-70

Description: 25mm2 nominal cross sectional area copper stranded conductor, code 6420125-70

Application

Copper or tin plated copper stranded conductor used as air termination conductor[1], down conductor[1], equipotential bonding conductor in lightning protection systems and as earth conductor in electrical installations.

[1] In certain applications where mechanical strength is not an essential requirement.

Technical characteristics - Installation instructions

Diameter	6,42 mm.
Cross sectional area	25 mm2.
Material	Copper (Cu).
Electrical resistivity	0,018 μΩm.
Electrical resistance	≤0,734 Ω/km.
Tensile strength	200 – 450 N/mm2.
Installation	Above ground, buried in ground, embedded in concrete.
Can be connected above ground with	Cu, Cu-A (copper alloy), Cu/eSn, Stainless Steel (SSt), St/eCu.
Can be connected buried in ground with	Cu, Cu-A (copper alloy), Cu/eSn, Stainless Steel (SSt), St/eCu.
Can be connected in concrete with	Cu, Cu-A (copper alloy), Cu/eSn, Stainless Steel (SSt), St/eCu, St/tZn.

Comply with

The component complies with standard IEC ?? 62561-2 “Lightning protection system components (LPSC) – Part 2 : Requirements for conductors and earth electrodes”.

ELEMKO management systems

- ISO 9001
- ISO 14001
- ISO 18001

Country of Origin

Greece

Needed accessories

Clamps (e.g. 6221836), fasteners (e.g. 6130034) for the spacing consult fasteners' installation instructions.

Unit: meter / Package: 300 m approx. / 0,220 kg/m

We reserve the right to introduce changes in the component due to technical evolution.

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