

# PRODUCT DATA SHEET

## Earthing components

### Lightning protection earthing

### Lightning protection systems

### Lightning Protection System (LPS) conductors

**Code: 6420125-70**

**Description: 25mm<sup>2</sup> nominal cross sectional area copper stranded conductor, code 6420125-70**

#### Application

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

<sup>1</sup> In certain applications where mechanical strength is not an essential requirement.



#### Technical characteristics - Installation instructions

|                                        |                                                                         |
|----------------------------------------|-------------------------------------------------------------------------|
| Diameter                               | 6,42 mm.                                                                |
| Cross sectional area                   | 25 mm <sup>2</sup> .                                                    |
| Material                               | Copper (Cu).                                                            |
| Electrical resistivity                 | <0,018 μΩm.                                                             |
| Electrical resistance                  | ≤0,734 Ω/km.                                                            |
| Tensile strength                       | 200 – 450 N/mm <sup>2</sup> .                                           |
| 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.