# PRODUCT DATA SHEET

## Earthing components

## Lightning protection earthing

## Lightning protection systems

## Lightning Protection System (LPS) conductors

**Code: 6420008-70**

**Description: Ø8mm copper solid round conductor, code 6420008-70**

### Application

Copper conductor used as air termination conductor, down conductor and earth conductor.

### Technical characteristics - Installation instructions

| | |
|---|---|
| Diameter | 8 mm. |
| Cross sectional area | 50 mm2. |
| Material | Copper (Cu). |
| Electrical resistivity | 0,018 μΩm. |
| Electrical resistance | ≤0,387 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. |

| | |
|---|---|
| Straightening | For straightening can be used straightener, ELEMKO code 6900100. |

## Testing as per IEC EN 62561

The component has successfully passed the testing requirements of standard IEC EN 62561-2 “Lightning protection system components (LPSC) – Part 2 : Requirements for conductors and earth electrodes”.
Test report No **30595** by accredited laboratory as per ISO 17025.

## ELEMKO management systems

- ISO 9001
- ISO 14001
- ISO 45001

## Country of Origin

Greece

## Needed accessories

Clamps (e.g. 6221810), fasteners (e.g. 6121100, 6130104) for the spacing consult fasteners' installation instructions.

## Unit: meter / Package: 70 m approx. / 0,450 kg/m

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