

# PRODUCT DATA SHEET

## Earthing components

### Lightning protection earthing

### Lightning protection systems

## Lightning Protection System (LPS) conductors

**Code: 6420010-70**

**Description: Ø10mm solid round conductor, copper, code: 6420010**

### Application

Copper or tin plated copper conductor used as air termination conductor, down conductor and earth conductor.



### Technical characteristics -- Installation instructions

|                                        |                                                                        |
|----------------------------------------|------------------------------------------------------------------------|
| Diameter                               | 10 mm                                                                  |
| Cross sectional area                   | 78 mm <sup>2</sup>                                                     |
| Material                               | Copper (Cu)                                                            |
| Electrical resistivity                 | ≤0,018 μΩm                                                             |
| 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 |
| Straightening                          | For straightening can be used straightener, ELEMKO code 6900100        |

### Comply with

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

### **Manufacturing Quality Control**

Manufacturing quality control according standard ISO 9001

### **Country of Origin**

Greece

### **Needed accessories1)**

Clamps (e.g. 6221810), fasteners (e.g. 6121100, 6130071) for the spacing consult fasteners' installation instructions