PRODUCT DATA SHEET

Lightning protection systems

Lightning Protection System (LPS) conductors

Code: 6420006-70

Description: Ø6mm copper solid round conductor, code 6420006-70

Application

Copper conductor used as air termination conductor and down conductor, were mechanical strength is not an essential requirement.



Technical characteristics - Installation instructions

Diameter	6 mm.
Cross sectional area	28 mm2.
Material	Copper (Cu).
Electrical resistivity	0,018 μΩm.
Electrical resistance	≤0,727 Ω/km
Tensile strength	200 – 450 N/mm2.
Installation	Above 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 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 ?? 62561-2 “Lightning protection system components (LPSC) – Part 2 : Requirements for conductors and earth electrodes”.

ELEMKO management systems

- ISO 9001
- ISO 14001
- ISO 45001

Country of Origin

Greece

Needed accessories

Clamps (e.g. 6221836), fasteners (e.g. 6121106, 6130104) for the spacing consult fasteners' installation instructions.

Unit: meter / Package: 200 m approx. / 0,250 kg/m

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