PRODUCT DATA SHEET

Earthing components

Lightning protection earthing

Lightning protection systems

Lightning Protection System (LPS) conductors

Code: 6420018-70

Description: Ø8mm copper plated steel solid round conductor, code 6420018-70

Application

Copper plated steel (St/eCu) solid round conductor used as air termination conductor, down conductor and earth conductor.



Technical characteristics - Installation instructions

Diameter	8 mm.
Cross sectional area	50 mm2.
Core material	Steel.
Coating material	Copper.
Coating thickness	>250 µm
Type of coating method	Electrolytic (molecularly bonded onto the steel core).
Electrical resistivity	0,25 µΩm.
Tensile strength	290 – 510 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 reports No **30793 & 31316** by accredited laboratory as per ISO 17025.

ELEMKO management systems

- ISO 9001
- ISO 14001
- ISO 18001

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: 100 m approx. / 0,436 kg/m

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