PRODUCT DATA SHEET

LIGHTNING PROTECTION AND EARTHING SYSTEM COMPONENTS

Code: 64 20 135 (copper) / 64 22 135 (tin plated copper)

Description: 35mm² nominal cross sectional area stranded conductor ed.02/2021

Application

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

[1] In certain applications where mechanical strength is not an essential requirement.

Technical characteristics

Diameter	7,56 mm
Nominal cross sectional area	35 mm²
Material	Copper (Cu) or tin plated copper (Cu/eSn)
Electrical resistivity	≤0,018 μΩm
Electrical resistance	≤0,529 Ω/km
Tensile strength	200 – 450 N/mm²

Installation instructions

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 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

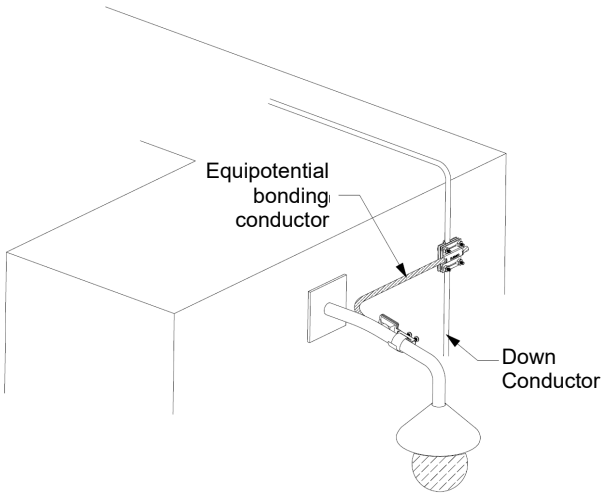
Country of Origin

Greece

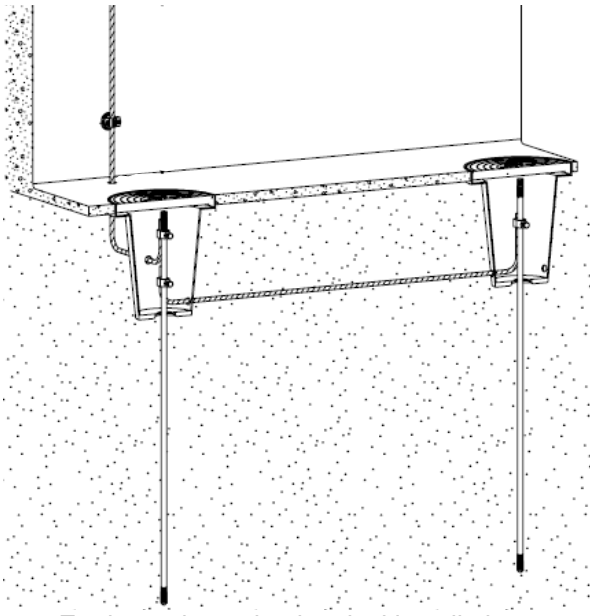
Needed accessories[1)]

Clamps (e.g. 6221836), fasteners (e.g. 6130034) for the spacing consult fasteners' installation instructions.

Unit: meter / Package: 200 m approx. / 0,305 kg/m



Equipotential bonding conductor in lightning protection system



Earth conductor in electrical installations

Typical applications of the conductor

[1)] See relevant data sheets

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

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