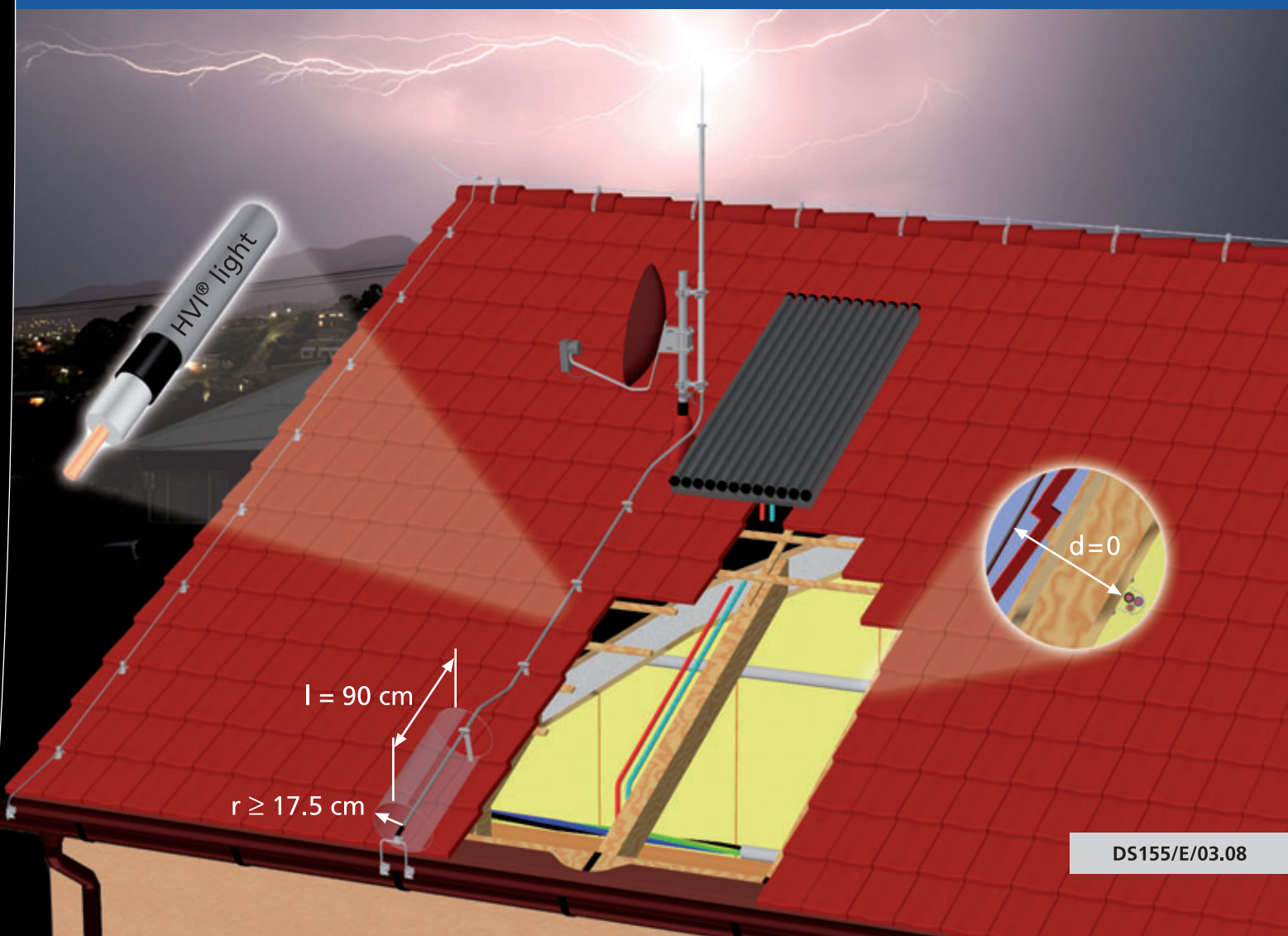




DEHN + SÖHNE

Isolated air-termination system DEHNcon-H



DS155/E/03.08



DEHN + SÖHNE

No proximities with DEHNcon-H

Metal and electric superstructures protruding above the roof are particularly exposed lightning striking points. If the external lightning protection system is installed correctly, that is with an isolated air-termination system for these roof superstructures, partial lightning currents are not induced into the building.

The new lightning protection standard EN 62305-3 / DIN EN 62305-3, the safety standard for antenna installations EN 60728-11 / DIN EN 60728-11 as well as the supplementary sheet 1 of DIN VDE 0845 for surge protection of IT systems call for an isolated lightning protection system or an isolated air-termination system for antenna installations or other installations protruding above the roof.

DEHN + SÖHNE added another application to the tried and tested DEHNconductor system:

DEHNcon-H

The variable component system consists of the following components:

- **HVI® conductor light**, a refined insulated down conductor, which is installed in an insulating pipe with air-termination tip
- Fixing elements, conductor holders and other accessories

The equivalent separation distance of the newly developed HVI® conductor light is $s \leq 0.45$ m (in air) or $s \leq 0.90$ m (solid material).

DEHNcon-H comes with a practice-oriented design since the dimensions of the insulating pipes were reduced. Another benefit of DEHNcon-H is the reduced weight of the total structure. This allows for already existing antenna masts to be retrofitted with DEHNcon-H.

Possible applications are protection against direct lightning strokes into:

- Antennas (satellite antennas, terrestrial antennas, DVBT receiver installations)
- Photovoltaic and solar thermal systems
- Object surveillance systems

Our condensed catalogue P2, which is valid as from 1st January 2008, contains a comprehensive component overview. For more detailed information on DEHNcon-H, please refer to installation instructions No. 1632.

Selection of components



Fixing clamp made of StSt (V2A)



Roof conductor holder, height 175 mm



Roof conductor holder, height 55 mm



Conductor holder, height 55 mm

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