

# LiHCH

EMC-preferred type, halogen-free, screened, meter marking



## Technical data

- Special data cable, halogen-free
- **Temperature range**  
flexing +5°C to +70°C  
fixed installation -40°C to +70°C
- **Operating peak voltage**  
(not for heavy current installation purposes)  
500V
- **Minimum bending radius**  
7,5x cable Ø (static)
- **Radiation resistance**  
up to 100x10<sup>6</sup> cJ/kg (up to 100 Mrad)
- **Insulation resistance**  
200 MOhmxkm

## Cable structure

- Bare copper-conductor, to DIN VDE 0812, fine-wire
- Core insulation of HalogenFree compound
- Core identification to DIN 47100
- Cores twisted in layers with optimal lay-length
- Foil wrapping
- Tinned copper braided screen
- Outer sheath  
HalogenFree compound
- Sheath colour grey

## Properties

- Halogen-free to DIN VDE 0482 part 267, DIN EN 50267-2-1, IEC 60754-1 (equivalent DIN VDE 0472 part 815)
- Corrosiveness of combustion gases acc. to DIN VDE 0482 part 267, DIN EN 50267-2-2, IEC 60754-2 (equivalent DIN VDE 0472 part 813)
- Halogen-free sheath compound, self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

## Application

As a connecting and interconnecting cable for signaling, measuring, control and intercom purposes for the use in paging and intercom systems, clock systems, weighing equipment and office machines. The cables can be laid on or under plaster, in dry, damp and wet rooms as well as masonry and concrete. Not suitable for outdoor unprotected installation.

Areas of use are telecommunications and information processing systems in public buildings, laboratories, warehouses and other buildings in which the release of halogens in the event of fire must be avoided. Due to the shielding without interference against foreign encoder or high-frequency signals.

**EMC** = Electromagnetic compatibility

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

**CEE** = The product is conformed with the EC Low-Voltage Directive 2006/95/EC.