



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
- **Insulation resistance**
min. 200MΩ x km
- **Minimum bending radius**
7,5x cable Ø (static)
- **Radiation resistance**
up to 100x10⁶ cJ/kg (up to 100 Mrad)

Cable structure

- Bare copper-conductor, fine-wire to DIN VDE 0812
- Core insulation of HalogenFree compound
- Core identification to DIN 47100 DIN VDE 0819-103 / DIN EN 50290-2-23
- Cores stranded in pairs with optimal lay-length
- Pairs stranded in layers with optimal lay-length
- Foil wrapping
- Tinned copper braided screen
- Outer sheath
HalogenFree compound
- Sheath colour grey

Properties

Tests

- 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

Are used as connecting cable for signal, measuring, control, call-announcing and two-way intercom speaking systems, clock installations, electronic weighing equipment and electrical apparatus for office requirements. The cables are suitable for installation in dry, damp and wet environments as well as in masonry and concrete. Not suitable for outdoor unprotected installation.

These cables are generally installed in telecommunication apparatus and data transmission systems in public buildings, laboratories, trading centres where the freedom from halogen in case of fire and the flame propagation must be avoided.

With screened braiding offers interference-free signal transfer.

The halogen-free thermoplastic sheath produce neither corrosive nor toxic gases.

EMC = Electromagnetic compatibility

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

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