



#### Halogen-free installation cable in accordance with DIN VDE 0815

Used to meet enhanced fire protection requirements concerning protection of people and high-value property; Does not emit any toxic or corrosive gases in the event of fire and resists the spread of fire; Aluminium-laminated plastic foil static screen with tin-plated drain wire minimises the interference of high frequency, electromagnetic fields; Decoupling of circuits by means of

twisted-pair (TP) design (crosstalk effects); J-H(ST)H...BD Fire Alarm Cable is marked with the phrase "Fire alarm cable" at regular intervals on the sheath. It is therefore used especially for installation in fire alarm systems.

• In accordance with DIN VDE 0815









# **Product description**

# **Application range**

- This halogen-free, flame-retardant installation cable with static screen is used for telephone, data and signal transmission in subscriber stations and private branch exchange construction for telephone systems
- · For fixed installation on and under plaster, in dry and damp rooms

#### **Benefits**

- Used to meet enhanced fire protection requirements concerning protection of people and high-value property
- · Does not emit any toxic or corrosive gases in the event of fire and resists the spread of fire
- · Aluminium-laminated plastic foil static screen with tin-plated drain wire minimises the interference of high

## J-H(ST)H...BD



frequency, electromagnetic fields

- Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)
- J-H(ST)H...BD Fire Alarm Cable is marked with the phrase "Fire alarm cable" at regular intervals on the sheath. It is therefore used especially for installation in fire alarm systems.

## **Product Make-up**

- Solid bare copper conductor
- · Core insulation made of special halogen-free compound
- Cores twisted into star quads,
  5 star quads are twisted into a bundle,
  bundles stranded in layers
- Foil wrapping, static screening made of aluminium-laminated plastic film with copper drain wire
- Outer sheath made of special halogen-free compound Outer sheath colour: grey (RAL 7001)

## Norm references / Approvals

 In accordance with DIN VDE 0815 type J-H(ST)H...BD

#### **Product features**

- Flame-retardant according IEC 60332-1-2
- No flame-propagation according to IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)
- Halogen-free according to EN 50267-2-1/-2

### **Technical Data**

Core identification code according to VDE 0815, refer to Appendix T10

Mutual capacitance max. 120 nF/km

Peak operating voltage (not for power applications)

300

Classification ETIM 5.0 Class-ID: EC000829

ETIM 5.0 Class-Description: Control cable

Coupling K1: approx. 300 pF/100 m K9-12: approx. 100 pF/100 m

Conductor cross-section 0.6 mm: 0.28 mm<sup>2</sup> 0.8 mm: 0.50 mm<sup>2</sup>

Minimum bending radius Fixed installation: 6 x outer diameter

Test voltage Core/core: 800 V Core/screen: 800 V

Loop resistance 0.6 mm: max. 130 ohm/km 0.8 mm: max. 73.2 ohm/km

Temperature range Occasional flexing: -5°C to +50°C Fixed installation: -30°C to +70°C