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

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 V
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 mm² 0.8 mm: 0.50 mm²
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