Halogen-free installation cable in accordance with DIN VDE 0815 with red outer sheath

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.

FLAME RETARDANT	HALOGEN FREE	INTERFERENCE SIGNALS

RoHS ✓

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: flame red (RAL 3000)

Norm references / Approvals

- Based on DIN VDE 0815

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