

DATASHEET

J-H(ST)H...BD

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.



Flame-retardant



Halogen-free



Interference signals

Info

In accordance with DIN VDE 0815

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

Design

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

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Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 100/100kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil \leq 30 kg or \leq 250 m, otherwise drum

Photographs are not to scale and do not represent detailed images of the respective products.

Technical Data

Number of pairs and conductor diameter (mm):	2 x 2 x 0,8
Outer diameter (mm):	7
Copper index (kg/km):	25
Weight (kg/km):	77
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
Insulation resistance:	>100 MOhm x km
Coupling:	K1: approx. 300 pF/100 m K9-12: approx. 100 pF/100 m
Conductor cross-section:	0.6 mm: 0.28 mm ² 0.8 mm: 0.50 mm ²
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