


U.I. Lapp GmbH	<h1>DATASHEET</h1>	
	<b>J-H(ST)H...BD Fire Alarm Cable</b>	30017798 14.11.2013

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

### 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: 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

### 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](http://www.lappkabel.de/en/cable-standardlengths)  
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum  
Photographs are not to scale and do not represent detailed images of the respective products.

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**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 <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

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