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|-----------------------------------|----------------------|-------------------------------------------------------------------------------------|
| <b>30017787</b>                   | <b>DATA SHEET</b>    |  |
| <b>valid from:<br/>2026-06-16</b> | <b>J-H(ST)H...BD</b> |                                                                                     |

## Application

J-H(ST)H...BD is a connection cable for use in electronics and in measurement, control and signal applications.

This halogen-free, flame-retardant installation cable with static screen is suitable for fixed installation on and under plaster, in dry and damp rooms.

In news and communication applications, the following connections can be installed:

telephone, telefax, telex, standard modems for postal services; burglar and fire alarm systems (see also fire alarm cables); communication and paging systems; access control, time and data control systems.

The cable can be used in dry and wet interiors for fixed installation on and under plaster.

## Design

|               |                                                                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design        | acc. to VDE 0815, table 7<br>Type J-H(ST)H...BD                                                                                                                             |
| Certification | Classification of fire behaviour<br>according to EN 13501-6 and EN 50575<br>(article/dimension range see <a href="http://www.lappkabel.com/cpr">www.lappkabel.com/cpr</a> ) |
| Outer sheath  | Colour of the sheath: grey (RAL 7001)                                                                                                                                       |

## Electrical properties at 20 °C

|                           |                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------|
| Loop resistance           | max. 73.2 Ω/km                                                                                    |
| Insulation resistance     | min. 100 MΩ/km                                                                                    |
| Mutual capacitance        | max. 100 nF/km (at 800 Hz)                                                                        |
| Inductance                | ca. 0.65 mH/km                                                                                    |
| Capacitive coupling       | max. 200 pF/100 m (at 800 Hz)                                                                     |
| Maximum operating voltage | 300 V<br>(not intended to be used in conjunction with low impedance sources, such as power grids) |
| Test voltage              | C/C: 800 V AC<br>C/S: 800 V AC                                                                    |

## Mechanical and thermal properties

|                        |                                                                                                                                         |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Minimum bending radius | fixed installation: 6 x outer diameter                                                                                                  |
| Temperature range      | occasional flexing: -5 °C up to +50 °C max. conductor temperature<br>fixed installation: -30 °C up to +70 °C max. conductor temperature |
| Flammability           | flame retardant acc. to VDE 0472-804 Method C                                                                                           |

|              |                                                                                                                           |
|--------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Tests</b> | acc. to DIN VDE 0815, Type J-H(ST)H...BD<br>Electrical properties acc. to table 13<br>Tests at the cable acc. to table 21 |
|--------------|---------------------------------------------------------------------------------------------------------------------------|

|                             |                                                                                                                                                                                                                                                                                                                                                     |
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| <b>General requirements</b> | These cables are conform to<br>EU-Directive 2014/35/EU (Low Voltage Directive) and to<br>EU-Directive 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances).<br>These cables (see <a href="http://www.lappkabel.com/cpr">www.lappkabel.com/cpr</a> ) are classified<br>in accordance with the EU-Regulation no. 305/2011 (CPR). |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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|----------------------------------|----------------------------------------------------------------------------------------------|
| <b>Environmental information</b> | These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS). |
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| <b>Note</b> | Trade product, no LAPP product |
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