

### Product Description

Suitable for data transmission rates of up to 16 Mbits/s



### Application range

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- It is for example used for connecting EDP system units or for circuits for airfield lighting, ISDN private branch exchanges, operating data acquisition, operating data entry, access control and time recording systems, industrial electronics, all designed for maximum security and speed.
- Can be used in dry and wet interiors for fixed installation on and under plaster

### Benefits

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- Suitable for data transmission rates of up to 16 Mbits/s

### Design

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- Solid bare copper conductor
- Core insulation: Polyethylene (PE)
- Foil wrapping, static screening of aluminium-laminated plastic film with copper drain wire
- PVC blended outer sheath
- Colour: pebble grey (RAL 7032)

### Product features

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- Make-up: acc. DIN VDE 0815 table 4, Type JE-Y(ST)Y...BD but with PE core insulation
- Flame retardant according to IEC 60332-1-2



Technical Data

**Core identification code**

In accordance with VDE 0815, see T 10

**Mutual capacitance**

(800 Hz) max. 52 nF/km

**Peak working voltage**

(not for power applications) 300 V

**Insulation resistance**

> 5 GOhm x km

**Coupling**

K1: 98 %

**Minimum bending radius**

In fixed installations: 10 x cable diameter

**Short-range crosstalk attenuation**

4-16 MHz: 2-pair >= 45 dB

4-16 MHz: >2-pair >= 20 dB

**Test voltage**

Core/core: 500 V

Core/screen: 2000 V

**Loop resistance**

max. 130 Ohm/km

**Range of temperature**

Fixed installation: -30°C up to +70°C

**Characteristic impedance**

100 Ohm +/- 15 %

Article List

Part number	Number of pairs and conductor diameter in mm	Outer diameter in mm	Copper index kg/km	Weight kg/km
J-2Y(ST)Y...ST III BD				
0034171	2 x 2 x 0,6	5.5	13.0	40
0034173	4 x 2 x 0,6	7.5	24.0	60
0034175	8 x 2 x 0,6	8.5	46.0	90
0034176	10 x 2 x 0,6	9.5	58.0	148
0034178	20 x 2 x 0,6	13.5	116.0	190
30017810	50 x 2 x 0,6	18.0	288.0	412
30017811	100 x 2 x 0,6	25.8	570.0	650

**Footnote:**

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 100 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

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