



## J-2Y(ST)Y...ST III BD

Installation cable in accordance with DIN VDE 0815 with PE core insulation

**J-2Y(ST)Y...STIII BD**

### Benefits

- Suitable for data transmission rates of up to 16 Mbits/s
- Aluminium-laminated plastic foil static screen with tin-plated drain wire minimises the interference of high frequency, electromagnetic fields

### Application range

- Connection cable for use in electronics and in measurement, control and signal applications
- Examples of use: 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

### Product features

- Flame-retardant according IEC 60332-1-2

### Norm references / Approvals

- Based on DIN VDE 0815

### Product Make-up

- Solid bare copper conductor
- Core insulation made of polyethylene (PE)
- 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 PVC  
Outer sheath colour: pebble grey (RAL 7032)

### Technical data



#### Classification

ETIM 5.0 Class-ID: EC000829  
ETIM 5.0 Class-Description:  
Signal-/telecommunications cable



#### Core identification code

according to VDE 0815,  
refer to Appendix T10



#### Mutual capacitance

(800 Hz) max. 52 nF/km



#### Peak operating voltage

(not for power applications)  
300 V



#### Coupling

K1: 98 % < 400 pF/300 m  
K9-12: 98 % < 100 pF/300 m



#### Conductor cross-section in

0.6 mm: 0.28 mm<sup>2</sup>

#### Cable attenuation/attenuation

At 16 MHz: < 8 dB/100 m



#### Minimum bending radius

Fixed installation: 10 x outer 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



#### Characteristic impedance

100 Ohm ± 15 %



#### Temperature range

Occasional flexing: -5 °C to +50 °C  
Fixed installation: -30 °C to +70 °C

Article number	Number of pairs and conductor diameter (mm)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>J-2Y(ST)Y...ST III BD</b>				
0034171	2 x 2 x 0.6	5.5	13	40
0034173	4 x 2 x 0.6	7.5	24	60
0034176	10 x 2 x 0.6	9.5	58	110
0034178	20 x 2 x 0.6	13.5	116	190

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

Copper price basis: EUR 100/100 kg. 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.

### Similar products

- UNITRONIC® Li2YCY (TP) refer to page 291

### Accessories

- STAR STRIP stripping tool refer to page 1000