

## PRODUCT INFORMATION

## JE-Y(ST)Y...BD

Static screened installation cable for industrial electronics

JE-Y(ST)Y...BD installation cable for industrial electronics, VDE 0815, PVC, solid conductor, pairs, bundle laying, screened/ static foil, stationary use

#### Info

In accordance with DIN VDE 0815

JE-Y(ST)Y ... BD





Interference signals

#### **Benefits**

Perfect for cost-effective installation, e.g. connections with insulation displacement technology (IDC). 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)

#### **Application range**

Connection cable for fixed installation in industrial control systems, as required in measurement, control, signalling and data applications Industrial electronics For fixed installation on and under plaster, in dry and damp rooms

#### **Product features**

The 2-pair version (2x2x0.8) is twisted into a star quad Flame-retardant according IEC 60332-1-2 JE-Y(ST)Y...BD EB: For intrinsically safe circuits (type of protection i - intrinsic safety) according to IEC 60079-14:2013 / EN 60079-14:2014 / VDE 0165-1:2014, section 16.2.2

#### Norm references / Approvals

Last Update (17.12.2024) ©2024 Lapp Group - Technical changes reserved Product Management www.lappkabel.de You can find the current technical data in the corresponding data sheet. PN 0456 / 02\_03.16



# JE-Y(ST)Y...BD

In accordance with DIN VDE 0815 type JE-Y(ST)Y...BD

## **Product Make-up**

Solid bare copper conductor Core insulation made of PVC 2 cores twisted into a pair, and 4 pairs into units Foil wrapping, static screening made of aluminium-laminated plastic film with copper drain wire Outer sheath made of PVC Outer sheath colour: grey (similar to pebble grey/ RAL 7032)

## **Technical Data**

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000829 ETIM 5.0 Class-Description: Signal-/telecommunications cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000829 ETIM 6.0 Class-Description: Signal-/telecommunications cable
Core identification code:	according to VDE 0815, refer to Appendix T10
Mutual capacitance:	max. 100 nF/km
Coupling:	approx. 200 pF/100 m
Inductivity:	approx. 0.65 mH/km
Conductor stranding:	Single-wire (solid conductor) 0.8 mm: 0.50 mm <sup>2</sup>
Minimum bending radius:	Fixed installation: 6 x outer diameter
Test voltage:	Core/core: 500 V Core/screen: 2000 V
Loop resistance:	max. 73.2 Ohm/km
Temperature range:	Occasional flexing: -5°C to +50°C Fixed installation: -30°C to +70°C

### Note

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

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

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

\* Trade product, no Lapp product

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

Prices are net prices without VAT and surcharges. Sale to business customers only.

st Update (17.12.2024) 2024 Lapp Group - Technical cha		Number of cores and cable diameter (mm)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)		
	JE-Y(ST)YBD						
	0034190	2 x 2 x 0.8	6	25	60		
	0034191	4 x 2 x 0.8	8.5	45	96		
	0034192	8 x 2 x 0.8	11	85	158		
	0034193	12 x 2 x 0.8	13	126	225		
	0034194	16 x 2 x 0.8	14.5	166	290		
	0034195	20 x 2 x 0.8	16	206	350		
	0034197	40 x 2 x 0.8	22	407	660		

JE-Y(ST)Y...BD