



JE-Y(ST)Y...BD

Static screened installation cable for industrial electronics



Info

- In accordance with DIN VDE 0815

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

Static screened installation cable for industrial electronics



Info

- Blue version:
Hazard protection type -i- is required where there is a risk of explosion

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
- For outdoor use this cable should be installed under plaster only

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

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

Product Make-up

JE-Y(ST)Y...BD

- Solid bare copper conductor
- Core insulation made of PVC
- 2 cores twisted into a pair, and 4 pairs into units (for 2 x 2 x 0.8 as star quad cable)
- 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)

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

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- Foil wrapping, static screening made of aluminium-laminated plastic film with copper drain wire
- Outer sheath made of PVC
Outer sheath colour: sky blue (RAL 5015)

Technical data



Classification

JE-Y(ST)Y...BD
ETIM 5.0 Class-ID: EC000829
ETIM 5.0 Class-Description: Signal-/telecommunications cable
JE-Y(ST)Y...BD EB
ETIM 5.0 Class-ID: EC000830
ETIM 5.0 Class-Description: Data cable



Core identification code

according to VDE 0815, refer to Appendix T10



Mutual capacitance

max. 100 nF/km



Peak operating voltage

(not for power applications) 225 V



Coupling

approx. 200 pF/100 m



Inductivity

approx. 0.65 mH/km



Conductor stranding

Single-wire (solid conductor)
0.8 mm: 0.50 mm²



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

Article number	Number of cores and cable diameter (mm)	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
JE-Y(ST)Y...BD				
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 EB, blue outer sheath				
0034120	2 x 2 x 0.8	6	25	60
0034121	4 x 2 x 0.8	8.5	45	100
0034122	8 x 2 x 0.8	11	85	165
0034123	12 x 2 x 0.8	13	126	240
0034125	20 x 2 x 0.8	16	206	360
0034126	32 x 2 x 0.8	20	327	555

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 ≤ 30 kg or ≤ 250 m, otherwise drum

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

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