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

Static screened installation cable for industrial electronics

JE-Y(ST)Y…BD EB installation cable for industrial electronics, solid conductor/ stationary use, pairs, screened/ static foil, blue/ intrinsically safe circuits

Info

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

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
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

Last Update (06.04.2018)

Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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Norm references / Approvals
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 (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: sky blue (RAL 5015)

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
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: 1000 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 ≤ 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 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.

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PRODUCT INFORMATION

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Article number	Number of cores and cable diameter (mm)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
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

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