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

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)

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^2
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 ≤ 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).
* 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.

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PRODUCT INFORMATION

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

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