JE-LiYCY...BD EB

Screened data transmission cable for industrial electronics

JE-LiYCY...BD EB installation cable for industrial electronics, VDE 0815, PVC, pairs, screened, Maxi TERMI-POINT® wiring, blau, intrinsically safe circuits

Info

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



Interference signals

Benefits

Overall braid minimises electrical interference
Decoupling of circuits by means of twisted-pair (TP) design (crosstalk effects)

Application range

Connection cable for use in electronics and in measurement, control and signal applications
This cable is also used as a pulse and data transmission cable
JE-LiYCY...BD has also proved to be an efficient connection cable for telephone systems, e.g. paging and intercom systems.
For fixed installation on and under plaster, in dry and damp rooms

Product features

The 2-pair version (2 x 2 x 0.5) is twisted into a star quad
Flame-retardant according IEC 60332-1-2
JE-LiYCY...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 (22.02.2024)
©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-LiYCY...BD EB

In accordance with DIN VDE 0815
type JE-LiYCY...BD

Product Make-up

7-wire bare stranded copper conductor
Core insulation made of PVC
2 cores twisted into a pair, and 4 pairs into units/ bundles (for 2 x 2 x 0.5 as star quad cable)
Bundles twisted in layers,
foil wrapping,
screening braid made of tinned copper wires
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
Coupling:	approx. 200 pF/100 m
Inductivity:	approx. 0.65 mH/km
Conductor stranding:	Multi-wire, 7 x 0.3mm
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 5 x outer diameter
Test voltage:	Core/Core: 1000 V Core/screen: 2000 V
Loop resistance:	max. 78.4 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 150/100 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.

©2024 Lapp Group - Technical changes reserved

LAPP

JE-LiYCY...BD EB

PRODUCT INFORMATION

Article number	Number of pairs and conductor cross section (mm^2)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
JE-LiYCY...BD EB, blue outer sheath				
0034220	2 x 2 x 0.5	6.6	51	95
0034221	4 x 2 x 0.5	8.5	87	155
0034222	8 x 2 x 0.5	11.7	144	260
0034223	12 x 2 x 0.5	12.8	193	340
0034224	16 x 2 x 0.5	13.9	249	430
0034225	20 x 2 x 0.5	15.1	298	495
0034226	24 x 2 x 0.5	16.6	348	605
0034227	32 x 2 x 0.5	21	441	738
0034228	40 x 2 x 0.5	21.7	531	845

Last Update (22.02.2024)
©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