

PRODUCT INFORMATION

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 (25.04.2024) ©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



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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 \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.

Last Update (25.04.2024)	Article number	Number of pairs and conductor cross section (mm ²)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)	
	JE-LIYCYBD 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	

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