



**Info**

- In accordance with DIN VDE 0815

**Info**

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



**JE-LiYCY...BD**

Screened data transmission cable for industrial electronics



**JE-LiYCY...BD EB**

Screened data transmission cable for industrial electronics



**Benefits**

- Can be used for Maxi TERMI-POINT® wiring
- 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
- For outdoor use this cable should be installed under plaster only

**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**

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

**Product Make-up**

- JE-LiYCY...BD**
- 7-wire bare stranded copper conductor
  - Core insulation made of PVC
  - 2 cores twisted into a pair, and 4 pairs into units (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: pebble grey (RAL 7032)

**JE-LiYCY...BD EB**

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- 2 cores twisted into a pair, and 4 pairs into units (for 2 x 2 x 0.5 as star quad cable)
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- Outer sheath made of PVC  
Outer sheath colour: sky blue (RAL 5015)

**Technical data**

**Classification**  
**JE-LiYCY...BD**  
 ETIM 5.0 Class-ID: EC000829  
 ETIM 5.0 Class-Description: Signal-/telecommunications cable  
**JE-LiYCY...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 T 10

**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**  
 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: 500 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

Article number	Number of pairs and conductor cross section (mm <sup>2</sup> )	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>JE-LiYCY...BD</b>				
0034200	2 x 2 x 0.5	7.5	51	70
0034201	4 x 2 x 0.5	10	87	155
0034202	8 x 2 x 0.5	13	144	260
0034208	12 x 2 x 0.5	15.5	195	340
0034203	16 x 2 x 0.5	17	249	430
0034210	20 x 2 x 0.5	18.5	298	495
0034204	24 x 2 x 0.5	20.5	348	605
0034212	32 x 2 x 0.5	22.5	441	738
<b>JE-LiYCY...BD EB, blue outer sheath</b>				
0034220	2 x 2 x 0.5	7.5	51	95
0034221	4 x 2 x 0.5	10	87	155
0034222	8 x 2 x 0.5	13	144	260
0034223	12 x 2 x 0.5	15.5	193	340
0034224	16 x 2 x 0.5	17	249	430
0034225	20 x 2 x 0.5	18.5	298	495
0034226	24 x 2 x 0.5	20.5	348	605
0034227	32 x 2 x 0.5	22.5	441	738
0034228	40 x 2 x 0.5	24	531	845

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 T 17 for the definition and calculation of copper-related surcharges.  
 Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://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).  
 MAXI-TERMI-POINT® is a registered trademark of AMP  
 Photographs are not to scale and do not represent detailed images of the respective products.