



## UNITRONIC® EB CY (TP)

Screened data transmission cable with twisted pairs and blue outer sheath



**Info**

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

### Benefits

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

### Application range

- Reliable data transmission in intrinsically safe circuits
- In EMC-sensitive environments (electromagnetic compatibility)

### Product features

- Complies with VDE 0165 Section 12.2.2.6. Marking of cables for hazard type -i- (intrinsically safe) is specified
- Flame-retardant according IEC 60332-1-2

### Norm references / Approvals

- Based on VDE 0812

### Product make-up

- Fine-wire strand made of bare copper wires
- Core insulation made of PVC
- TP structure
- Tinned-copper braiding
- Outer sheath made of PVC  
Outer sheath colour: sky blue (RAL 5015)

### Technical data

- Core identification code**  
DIN 47100, refer to Appendix T9
- Mutual capacitance**  
C/C approx. 100 nF/km  
C/S approx. 140 nF/km
- Peak operating voltage**  
(not for power applications)  
900 V
- Specific insulation resistance**  
> 20 GOhm x cm
- Inductivity**  
approx. 0.65 mH/km
- Conductor stranding**  
Strand, fine-wire in accordance with IEC 60228 Cl. 5
- Minimum bending radius**  
Occasional flexing: 15 x outer diameter  
Fixed installation: 6 x outer diameter
- Test voltage**  
2500 V
- Temperature range**  
Occasional flexing: -5°C to +70°C  
Fixed installation: -40°C to +80°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>UNITRONIC® EB CY (TP)</b>				
0012620	2 x 2 x 0.75	8.7	58.0	106
0012621	3 x 2 x 0.75	9.6	84.0	140
0012622	4 x 2 x 0.75	10.9	108.0	179
0012624	6 x 2 x 0.75	12.3	146.0	246
0012626	10 x 2 x 0.75	16.1	220.0	392

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
Copper price basis: EUR 150/100kg. 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](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).  
Photographs are not to scale and do not represent detailed images of the respective products.

### Similar products

- JE-LiYCY...BD EB refer to page 280

### Accessories

- Multipurpose shears A and B refer to page 907
- SKINTOP® K-M ATEX plus blue refer to page 665

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 ACCESSORIES  
 APPENDIX