

## UNITRONIC® EB CY (TP)

Screened data transmission cable with twisted pairs and blue outer sheath

UNITRONIC® EB CY (TP): Low-frequency PVC data cable, DIN 47100 coded, Twisted Pair, Screened, Blue jacket, Intrinsically safe circuits, EN 60079-14/ VDE 0165-1

### Info

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



Interference signals

### Benefits

Overall shield 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

For intrinsically safe circuits (ignition protection type i - intrinsic safety) according to IEC 60079-14:2013 / EN 60079-14:2014 / VDE 0165-1:2014, section 16.2.2

Flame-retardant according to IEC 60332-1-2

### Norm references / approvals

Based on VDE 0812

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### Design

Finely stranded 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

Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Core identification code:	DIN 47100, refer to appendix T9
Operating capacitance:	C/C approx. 100 nF/km C/S approx. 140 nF/km
Peak operating voltage:	(not for power applications) 900 V
Inductance:	approx. 0.65 mH/km
Conductor design:	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

### 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; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging: Ring  $\leq$  30 kg or  $\leq$  250 m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

Photographs 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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Article number	Number of pairs and conductor cross-section (mm <sup>2</sup> )	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
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0012620	2 x 2 x 0.75	8.7	58	106
0012621	3 x 2 x 0.75	9.6	84	140
0012622	4 x 2 x 0.75	10.9	108	179
0012624	6 x 2 x 0.75	12.3	146	246
0012626	10 x 2 x 0.75	16.1	220	392

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

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