

## 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

Last Update (22.02.2017)

©2017 Lapp Group - Technical changes reserved

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

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

PN 0456 / 02\_03.16

## UNITRONIC® EB CY (TP)

### 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.

Article number	Number of pairs and conductor cross-section (mm <sup>2</sup> )	Outer diameter (mm)	Copper index (kg/km)
UNITRONIC® EB CY (TP)			
0012620	2 x 2 x 0.75	8.7	58
0012621	3 x 2 x 0.75	9.6	84
0012622	4 x 2 x 0.75	10.9	108
0012624	6 x 2 x 0.75	12.3	146
0012626	10 x 2 x 0.75	16.1	220

Last Update (22.02.2017)  
 ©2017 Lapp Group - Technical changes reserved  
 Product Management [www.lappkabel.de](http://www.lappkabel.de)  
 You can find the current technical data in the corresponding data sheet.  
 PN 0456 / 02\_03\_16

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Multi-Conductor Cables](#) category:*

*Click to view products by [Lapp Kabel](#) manufacturer:*

Other Similar products are found below :

[M27500-20SP2S23](#) [M3905-BK005](#) [6502FE 8771000](#) [CV6807-000](#) [CX6543-000](#) [CXA-0066-20-4-9CS2973](#) [CXA-0078-16-1-9CS2405](#) [CXA-0078-22-4-9CS2405](#) [CXA-0078-24-4-9CS2405](#) [CXA-0140-16-6/9-9CS2405](#) [720451-000](#) [752687-000](#) [83709-002-1000](#) [8469 060100](#) [877541-000](#) [88444-002-1000](#) [9444 060U1000](#) [9497 0001000](#) [9684-060-1000](#) [1302110032](#) [EPD6062-12-9CS1693](#) [EPD-RWC-10972](#) [EPD-RWC-12305](#) [C35473-000](#) [2020D1301-9](#) [219538-6](#) [2412F-010-1000](#) [9534 060U500](#) [29531-010-2000](#) [22759/41-22-9CS2620](#) [259633-000](#) [29529C-010-2000](#) [29532-010-1500](#) [302595-000](#) [CTC-0018-22-9/5-9CS2340](#) [3600B/50 100SF](#) [3644B/16-100SF](#) [CXA-0078-20-3-9CS2405](#) [CXA-0092-14-6/9CS2973](#) [MC6A-16/0.2T2-YWGN](#) [44A0211-20-9CS3030](#) [44A0311-12-9-F871](#) [44A1221-14-9/9-9CS3030](#) [44A1221-16-9/9-9CS3030](#) [44A1321-14-9/9-9CS3030](#) [44A9685-0-F957CS2855](#) [506087-000](#) [5102UE 008500](#) [5201UE 0081000](#) [534553-000](#)