

### Product Description

Reliable data transmission thanks to effective screening; essentially resistant against acids, lyes and certain oils at room temperature



### Application range

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- Complies with VDE 0165 Section 12.2.2.6. Marking of wire and cable for hazard type -i- (intrinsically safe) is specified
- Reliable data transmission in intrinsically safe circuits

### Benefits

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- Reliable data transmission thanks to effective screening
- essentially resistant against acids, lyes and certain oils at room temperature

### Design

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- Stranded bare copper conductor
- PVC core insulation
- TP structure
- Tinned copper screen braid outer sheath: PVC
- Colour: sky blue

### Product features

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- Flame retardant according to IEC 60332-1-2
- Decoupling of circuits by means of twisted pair (TP)-construction (crosstalk effects)



Technical Data

**Core identification code**

DIN 47100, see Appendix T9

**Mutual capacitance**

C/C approx. 100 nF/km

C/S approx. 140 nF/km

**Peak working voltage**

(not for power applications) 900 V

**Inductivity**

approx. 0.65 mH/km

**Based on**

VDE 0812

**Specific insulation resistance**

> 20 GOhm x cm

**Conductor stranding**

Stranded, fine wire in accordance with VDE 0295, Class 5 / IEC 60228 Cl. 5

**Conductor resistance**

(loop) see Appendix T11

**Minimum bending radius**

Flexing: 15 x outer diameter

Fixed installed: 6 x outer diameter

**Test voltage**

2500 V

**Range of temperature**

Static: -30°C up to +80°C

Flexing: -5°C up to +70°C

Article List

Part number	Number of pairs and conductor cross-section/ mm <sup>2</sup>	Outer diameter in mm	Copper index kg/km	Weight kg/km
UNITRONIC® EB CY (TP)				
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

**Footnote:**

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Appendix T17

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

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (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.