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

Hazard protection type -i- is required where there is a risk of explosion
CPR: Article number choice under www.lappkabel.com/cpr



Interference signals

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

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
Flame-retardant according IEC 60332-1-2

Norm references / Approvals

Based on VDE 0812

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Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

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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

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable
Core identification code:	DIN 47100, refer to Appendix T9
Mutual capacitance:	C/C approx. 100 nF/km C/S approx. 140 nF/km
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

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. 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
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 and graphics 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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PRODUCT INFORMATION

Article number	Number of pairs and conductor cross section (mm^2)	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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