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

Last Update (22.12.2023)

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

UNITRONIC® EB CY (TP)

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.

Last Update (22.12.2023)

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

LAPP

UNITRONIC® EB CY (TP)

PRODUCT INFORMATION

Article number	Number of pairs and conductor cross section (mm^2)	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
UNITRONIC® EB CY (TP)				
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