

ÖLFLEX® EB CY

Control cable for intrinsically safe circuits according to IEC 60079-14 / EN 60079-14 / VDE 0165-1

ÖLFLEX® EB CY - PVC control cable, flexible, screened and numbered, with blue outer sheath for intrinsically-safe circuits, U_0/U : 300/500V

Info

CPR: Article number choice under www.lappkabel.com/cpr

For use within intrinsically safe circuits - type of protection 'i'

UV and weather-resistant according to ISO 4892-2



Interference signals



Good chemical resistance

Benefits

Suitable for outdoor applications

Space-saving installation due to small cable diameters

Copper wire braid screening of the ÖLFLEX® EB CY protects signal transmission within intrinsically safe circuits against electromagnetic interference

Application range

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

In EMC-sensitive environments
(electromagnetic compatibility)

ÖLFLEX® EB CY

Product features

Flame-retardant according IEC 60332-1-2
High degree of screening
low transfer impedance
(max. 250 Ω/km at 30 MHz)

Norm references / Approvals

Based on EN 50525-2-51

Product Make-up

Fine-wire strand made of bare copper wires
PVC insulation LAPP P8/1
Cores twisted in layers
Plastic foil wrapping
Tinned-copper braiding
Outer sheath: PVC, sky blue similar to RAL 5015

Technical Data

Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Core identification code:	Black with white numbers acc. to VDE 0293-1
Mutual capacitance:	Core/core approx. 160 nF/km Core/screen approx. 250 nF/km
Inductivity:	approx. 0.52 mH/km
Conductor stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius:	Occasional flexing: 20 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage:	U0/U: 300/500 V
Test voltage:	Core/core: 3000 V Core/screen: 2000 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.

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 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 cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)
ÖLFLEX® EB CY screened; without inner sheath			
0012640	2 X 0.75	6.2	43
0012641	3 X 0.75	6.5	52
0012642	4 X 0.75	7	61
0012643	5 X 0.75	7.7	72
0012644	7 X 0.75	8.3	89
0012645	12 X 0.75	10.9	138
0012646	18 X 0.75	12.7	211
0012647	25 X 0.75	14.8	280
0012650	2 X 1	6.5	51
0012651	3 X 1	6.8	62
0012652	5 X 1	8.1	88
0012653	7 X 1	8.8	112
0012654	12 X 1	11.5	185
0012655	18 X 1	13.9	268
0012656	25 X 1	15.9	354
0012660	2 X 1.5	7.1	65
0012661	3 X 1.5	7.5	82
0012662	5 X 1.5	8.9	119
0012663	7 X 1.5	9.9	154
0012664	12 X 1.5	13	268
0012666	25 X 1.5	17.9	530

Last Update (11.10.2017)
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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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