

## ÖLFLEX® EB

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

ÖLFLEX® EB - PVC control cable, flexible 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](http://www.lappkabel.com/cpr)

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



Good chemical resistance

### Benefits

Space-saving installation due to small cable diameters

### 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

### Product features

Flame-retardant according IEC 60332-1-2

### 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

Outer sheath: PVC, sky blue similar to RAL 5015

Last Update (24.07.2017)

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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

## ÖLFLEX® EB

### 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. 140 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: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U <sub>0</sub> /U: 300/500 V
Test voltage:	Core/core: 3000 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](http://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 <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)
ÖLFLEX® EB without protective conductor GN/YE			
0012420	2 X 0.75	5.4	14.7
0012421	3 X 0.75	5.7	22.1
0012430	4 X 0.75	6.2	29.4
0012422	5 X 0.75	6.7	36.8
0012423	7 X 0.75	7.3	51.5
0012425	12 X 0.75	9.9	88.2
0012427	18 X 0.75	11.7	132.3
0012429	25 X 0.75	13.8	183.8
0012440	2 X 1	5.7	19.7
0012441	3 X 1	6	29.6
0012443	5 X 1	7.1	49.4
0012444	7 X 1	8	69.1
0012446	12 X 1	10.5	118.4
0012448	18 X 1	12.7	177.7
0012401	2 X 1.5	6.3	29
0012402	3 X 1.5	6.7	43
0012403	4 X 1.5	7.2	58
0012404	5 X 1.5	8.1	72
ÖLFLEX® EB with protective conductor GN/YE			
0012501	3 G 1.5	6.7	43
0012502	4 G 1.5	7.2	58
0012503	5 G 1.5	8.1	72
0012504	7 G 1.5	8.9	101
0012505	12 G 1.5	12	173
0012506	18 G 1.5	14.4	259
0012507	25 G 1.5	16.9	360

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