

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

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

UV and weather-resistant according to ISO 4892-2



Good chemical resistance

Benefits

Space-saving installation due to small cable diameters

Suitable for outdoor applications

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

UV and weather-resistant according to ISO 4892-2

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

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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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Outer sheath: PVC, sky blue similar to 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: | Black with white numbers acc. to VDE 0293-334 |
| 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: | U0/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

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 cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|---|---|---------------------|----------------------|----------------|
| ÖLFLEX® EB without protective conductor GN/YE | | | | |
| 0012420 | 2 X 0.75 | 5.4 | 14.7 | 50 |
| 0012421 | 3 X 0.75 | 5.7 | 22.1 | 60 |
| 0012430 | 4 X 0.75 | 6.2 | 29.4 | 81 |
| 0012422 | 5 X 0.75 | 6.7 | 36.8 | 88 |
| 0012423 | 7 X 0.75 | 7.3 | 51.5 | 115 |
| 0012425 | 12 X 0.75 | 9.9 | 88.2 | 185 |
| 0012427 | 18 X 0.75 | 11.7 | 132.3 | 282 |
| 0012429 | 25 X 0.75 | 13.8 | 183.8 | 393 |
| 0012440 | 2 X 1.0 | 5.7 | 19.7 | 57 |
| 0012441 | 3 X 1.0 | 6 | 29.6 | 73 |
| 0012443 | 5 X 1.0 | 7.1 | 49.4 | 105 |
| 0012444 | 7 X 1.0 | 8 | 69.1 | 138 |
| 0012446 | 12 X 1.0 | 10.5 | 118.4 | 231 |
| 0012448 | 18 X 1.0 | 12.7 | 177.7 | 331 |
| 0012401 | 2 X 1.5 | 6.3 | 29 | 80 |
| 0012402 | 3 X 1.5 | 6.7 | 43 | 105 |
| 0012403 | 4 X 1.5 | 7.2 | 58 | 125 |
| 0012404 | 5 X 1.5 | 8.1 | 72 | 139 |
| ÖLFLEX® EB with protective conductor GN/YE | | | | |
| 0012501 | 3 G 1.5 | 6.7 | 43 | 105 |
| 0012502 | 4 G 1.5 | 7.2 | 58 | 125 |
| 0012503 | 5 G 1.5 | 8.1 | 72 | 139 |
| 0012504 | 7 G 1.5 | 8.9 | 101 | 180 |
| 0012505 | 12 G 1.5 | 12 | 173 | 339 |
| 0012506 | 18 G 1.5 | 14.4 | 259 | 513 |
| 0012507 | 25 G 1.5 | 16.9 | 360 | 698 |

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