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

Article number	Number of cores and mm² 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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