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



Good chemical resistance

Interference signals

Benefits

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
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
In EMC-sensitive environments
(electromagnetic compatibility)

Product features

Flame-retardant according IEC 60332-1-2
High degree of screening
low transfer impedance

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

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(max. 250 Ω/km at 30 MHz)
UV and weather-resistant according to ISO 4892-2

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
Plastic foil wrapping
Tinned-copper braiding
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. 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 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 mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® EB CY screened; without inner sheath				
0012640	2 X 0.75	6.2	43	56
0012641	3 X 0.75	6.5	52	70
0012642	4 X 0.75	7	61	95
0012643	5 X 0.75	7.7	72	108
0012644	7 X 0.75	8.3	89	168
0012645	12 X 0.75	10.9	138	216
0012646	18 X 0.75	12.7	211	315
0012647	25 X 0.75	14.8	280	435
0012650	2 X 1.0	6.5	51	84
0012651	3 X 1.0	6.8	62	110
0012652	5 X 1.0	8.1	88	156
0012653	7 X 1.0	8.8	112	192
0012654	12 X 1.0	11.5	185	285
0012655	18 X 1.0	13.9	268	395
0012656	25 X 1.0	15.9	354	656
0012660	2 X 1.5	7.1	65	87
0012661	3 X 1.5	7.5	82	112
0012662	5 X 1.5	8.9	119	148
0012663	7 X 1.5	9.9	154	193
0012664	12 X 1.5	13	268	365
0012666	25 X 1.5	17.9	530	734

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