

ÖLFLEX® EB CY

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

ÖLFLEX® EB CY - PVC control cable, shielded, flexible and numbered. With blue sheath for use in intrinsically-safe circuits, nominal voltage: 300/500V

Info

For use within intrinsically safe circuits - ignition protection type "i"
EMC-compliant



Interference signals



Good chemical resistance

Benefits

Space-saving 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 (ignition protection type 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 level of screening

Low coupling resistance

(max. 250 Ω /km at 30 MHz)

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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

ÖLFLEX® EB CY

Norm references / Approvals

Based on EN 50525-2-51

Product Make-up

Fine-wire strand made of bare copper wires
PVC core insulation LAPP P8/1
Cores twisted in layers
Plastic film wrapping
Tinned-copper braiding
PVC sheath, sky blue 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/shield 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:	U ₀ /U: 300/500 V
Test voltage:	Core/Core: 3000 V Core/Shield: 2000 V
Temperature range:	Occasional flexing: -5 °C to +70 °C Fixed installation: -40 °C to +80 °C

Note

Unless otherwise specified, the product values shown are nominal values. You can receive further values, such as tolerances, upon request if they are available and have been released for publication.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging: Ring ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

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.

**ÖLFLEX® EB CY**

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® EB CY with screening braid, 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	6.5	51	84
0012651	3 X 1	6.8	62	110
0012652	5 X 1	8.1	88	156
0012653	7 X 1	8.8	112	192
0012654	12 X 1	11.5	185	285
0012655	18 X 1	13.9	268	395
0012656	25 X 1	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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