


U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ÖLFLEX® EB</b>	14.11.2013

According to DIN EN 60079-14; VDE 0165 part 1  
Space-saving installation due to small cable diameters



Good chemical resistance

### Info

For use within intrinsically safe circuits

### Application range

Installation of intrinsically safe circuits, where a special cable marking for hazard area type "i"- intrinsic safety is specified

### Design

Fine-wire strand made of bare copper wires  
PVC insulation LAPP P8/1  
PVC outer sheath, sky blue RAL 5015

### Norm references / Approvals

Based on EN 50525-2-51  
Electrical characteristics and markings on the wires and cables are according to DIN EN 60079-14 Section 12.2.2 (VDE 0165 Part 1)

### Product features

Flame-retardant according IEC 60332-1-2

### Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100kg. 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  $\leq$  30 kg or  $\leq$  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.

Product Management	Document: LAPP_PRO13EN.pdf	1 / 3
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### Technical Data

Core identification code:	Black with white numbers acc. to VDE 0293-1
Mutual capacitance:	Core/core approx. 110 nF/km
Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Inductivity:	approx. 0.65 mH/km
Specific insulation resistance:	> 20 GOhm x cm
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

Product Management	Document: LAPP_PRO13EN.pdf	2 / 3
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## ÖLFLEX® EB

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Part number	Number of cores and mm <sup>2</sup> 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	6,0	29.6	73
0012443	5 X 1,0	7,1	49.4	105
0012444	7 X 1,0	8,0	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	29.0	80
0012402	3 X 1,5	6,7	43.0	105
0012403	4 X 1,5	7,2	58.0	125
0012404	5 X 1,5	8,1	72.0	139
ÖLFLEX® EB with protective conductor GN/YE				
0012501	3 G 1,5	6,7	43.0	105
0012502	4 G 1,5	7,2	58.0	125
0012503	5 G 1,5	8,1	72.0	139
0012504	7 G 1,5	8,9	101.0	180
0012505	12 G 1,5	12,0	173.0	339
0012506	18 G 1,5	14,4	259.0	513
0012507	25 G 1,5	16,9	360.0	698