


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® 440 P	12.09.2012

Abrasion-resistant PUR control cables, flexible at cold temperatures – halogen-free and flame-retardant
Increased durability under harsh conditions thanks to robust PUR outer sheath
Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media
Wide temperature range for applications in harsh climatic environments
Halogen-free insulating material means low corrosive smoke emissions are produced in the event of a fire
VDE-tested characteristics



Info

Suitable for all weather conditions
Flexible at low temperatures
VDE-tested and registered

Application range

Construction machinery
Machine tools
Very suitable for oily wet areas within machinery and production lines that are subject to normal mechanical stress
Industrial machinery
For indoor and outdoor use

Design

Fine-wire, tinned-copper conductor
Core insulation: TPE
Cores twisted in layers
Special polyurethane outer sheath (PUR)
Sheath colour: silver grey (RAL 7001)

Product features

Resistant to oil and drilling fluids according to IEC 61892-4, Appendix D
Abrasion and notch-resistant
Halogen-free and flame-retardant (IEC 60332-1-2)
Resistant to hydrolysis and microbes
Flexible down to -40 °C

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 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 are not to scale and do not represent detailed images of the respective products.

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Technical Data

Core identification code:	Black with white numbers acc. to VDE 0293
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: 12.5 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U ₀ /U: 300/500 V
Test voltage:	3000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -40°C to +90°C Fixed installation: -50°C to +90°C
VDE-tested:	VDE reg. no. 6582 4 - 6 mm ² : based on VDE 0281/0282

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ÖLFLEX® 440 P

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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
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0012800	2 X 0,5	5,9	10.0	39
0012801	3 G 0,5	6,2	14.0	46
0012802	4 G 0,5	6,9	19.0	53
0012803	5 G 0,5	7,4	24.0	65
0012804	7 G 0,5	9,1	34.0	92
0012805	12 G 0,5	11,3	58.0	149
0012806	18 G 0,5	13,2	86.0	207
0012807	25 G 0,5	15.0	120.0	274
0012813	2 X 0,75	6,4	14.0	48
0012814	3 G 0,75	6,8	22.0	53
0012815	4 G 0,75	7,4	29.0	67
0012816	5 G 0,75	8,6	36.0	81
0012817	7 G 0,75	10.0	50.0	119
0012818	12 G 0,75	12,4	86.0	193
0012819	18 G 0,75	14,4	130.0	269
0012820	25 G 0,75	17,2	180.0	378
0012825	2 X 1,0	6,8	19.0	57
0012826	3 G 1,0	7,2	29.0	61
0012827	4 G 1,0	8,2	38.0	82
0012828	5 G 1,0	9.0	48.0	107
0012829	7 G 1,0	11,1	67.0	138
0012830	12 G 1,0	13,2	115.0	215
0012831	18 G 1,0	15,4	173.0	328
0012832	25 G 1,0	19.0	240.0	479
0012833	34 G 1,0	21,8	326.0	616
0012834	41 G 1,0	23,4	394.0	727
0012837	2 X 1,5	7,4	29.0	73
0012838	3 G 1,5	8,3	43.0	96
0012839	4 G 1,5	9.0	58.0	105

Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0012840	5 G 1,5	9,8	72.0	133
0012841	7 G 1,5	12,2	101.0	175
0012842	12 G 1,5	14,5	173.0	309
0012843	18 G 1,5	17,6	259.0	458
0012844	25 G 1,5	20,7	360.0	635
0012846	41 G 1,5	26,3	590.0	1003
0012850	3 G 2,5	9,7	72.0	142
0012851	4 G 2,5	11.0	96.0	184
0012852	5 G 2,5	12,1	120.0	220
0012853	7 G 2,5	14,2	168.0	294
0012854	12 G 2,5	17,8	288.0	489