
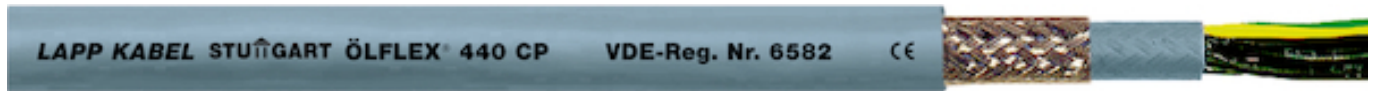


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® 440 CP	12.09.2012

Abrasion-resistant PUR control cables, flexible at cold temperatures – screened, 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
Copper braiding screens the cable against electromagnetic interference



Info

Suitable for all weather conditions
VDE-tested and registered
EMC compliant copper screening

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
Inner sheath made of TPE
Tinned-copper braiding
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 at low temperatures

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: 15 x outer diameter Fixed installation: 6 x cable 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 CP

12.09.2012

Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® 440 CP				
0012901	3 G 0,5	8,3	44.0	100
0012902	4 G 0,5	8,8	52.0	120
0012903	5 G 0,5	9,7	61.0	139
0012904	7 G 0,5	11,2	75.0	175
0012906	12 G 0,5	13,7	131.0	276
0012907	18 G 0,5	15,7	168.0	376
0012908	25 G 0,5	18,5	212.0	485
0012911	2 X 0,75	8,4	45.0	104
0012912	3 G 0,75	8,7	52.0	119
0012913	4 G 0,75	9,5	67.0	126
0012914	5 G 0,75	10,2	75.0	165
0012915	7 G 0,75	11,9	96.0	210
0012917	12 G 0,75	14,5	160.0	331
0012919	25 G 0,75	20,3	283.0	596
0012925	2 X 1,0	8,7	49.0	117
0012926	3 G 1,0	9,3	60.0	132
0012927	4 G 1,0	9,9	78.0	163
0012928	5 G 1,0	10,8	88.0	187
0012929	7 G 1,0	12,8	115.0	255
0012931	12 G 1,0	15,4	201.0	419
0012932	18 G 1,0	17,7	267.0	546
0012933	25 G 1,0	21,5	351.0	738
0012934	34 G 1,0	23,8	498.0	972
0012940	2 X 1,5	9,5	68.0	122
0012941	3 G 1,5	9,9	83.0	140
0012942	4 G 1,5	10,8	102.0	170
0012943	5 G 1,5	11,6	119.0	200
0012944	7 G 1,5	14,2	186.0	290
0012945	12 G 1,5	16,8	264.0	423



Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0012946	18 G 1,5	20.0	379.0	616
0012947	25 G 1,5	23,5	534.0	804
0012949	41 G 1,5	28,9	803.0	1360
0012950	3 G 2,5	11,4	121.0	194
0012951	4 G 2,5	12,6	145.0	307
0012952	5 G 2,5	14.0	205.0	413
0012953	7 G 2,5	16,4	259.0	533
0012954	12 G 2,5	21.0	407.0	795