


U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® CLASSIC 400 P	29.11.2013

Abrasion-resistant control cables with PUR sheath for increased application requirements
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
Also available as DESINA® compliant power cable with black outer sheath colour



Mechanical resistance



Oil-resistant

Info

High mechanical strength
Good oil resistance

Application range

Machine tools
Industrial machinery and machine tools
Measurement, control and electrical applications
Outdoor use is possible within the indicated operating temperature range
Very suitable for oily wet areas within machinery and production lines that are subject to normal mechanical stress

Design

Fine-wire strand made of bare copper wires
Core insulation: special PVC
Cores twisted in layers
Special polyurethane outer sheath (PUR)
Sheath colour: silver grey (RAL 7001)
DESINA®-compliant: black (RAL 9005)


Norm references / Approvals

Based on VDE 0285

Product features

High oil-resistance
Abrasion and notch-resistant
Low-adhesive surface
Resistant to hydrolysis and microbes

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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

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).

DESINA® is a registered trademark of the German Machine Tool Builders' Association

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

Technical Data

Core identification code:	Black with white numbers acc. to VDE 0293-1
Classification:	ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable
Conductor stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius:	Flexible use: 12.5 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U_0/U : 300/500 V
Test voltage:	4000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -5 °C to +70 °C Fixed installation: -40 °C to +80 °C

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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CLASSIC 400 P - sheath colour: grey				
1312802	2 X 0,5	4,8	10.0	32
1312003	3 G 0,5	5,1	15.0	43
1312803	3 X 0,5	5,1	15.0	43
1312004	4 G 0,5	5,7	19.2	50
1312804	4 X 0,5	5,7	19.2	50
1312005	5 G 0,5	6,2	24.0	59
1312805	5 X 0,5	6,2	24.0	59
1312007	7 G 0,5	6,7	34.0	73
1312807	7 X 0,5	6,7	34.0	73
1312010	10 G 0,5	8,6	48.0	109
1312012	12 G 0,5	8,9	57.6	125
1312018	18 G 0,5	10,5	87.0	180
1312025	25 G 0,5	12,4	120.0	250
1312034	34 G 0,5	14,3	164.0	333
1312041	41 G 0,5	15,7	197.0	400
1312852	2 X 0,75	5,4	14.4	41
1312103	3 G 0,75	5,7	21.6	51
1312853	3 X 0,75	5,7	21.6	51
1312104	4 G 0,75	6,2	28.8	62
1312854	4 X 0,75	6,2	28.8	62
1312105	5 G 0,75	6,7	36.0	74
1312855	5 X 0,75	6,7	36.0	74
1312107	7 G 0,75	7,3	50.0	97
1312857	7 X 0,75	7,3	50.0	97
1312110	10 G 0,75	9,6	72.0	142
1312112	12 G 0,75	9,9	86.4	163
1312118	18 G 0,75	11,7	129.6	234
1312125	25 G 0,75	13,8	180.0	324
1312134	34 G 0,75	15,9	244.8	431
1312141	41 G 0,75	17,4	295.2	529

Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1312902	2 X 1,0	5,7	19.2	48
1312203	3 G 1,0	6.0	28.8	61
1312903	3 X 1,0	6.0	28.8	61
1312204	4 G 1,0	6,5	38.4	74
1312904	4 X 1,0	6,5	38.4	74
1312205	5 G 1,0	7,1	48.0	89
1312905	5 X 1,0	7,1	48.0	89
1312207	7 G 1,0	8.0	67.0	116
1312210	10 G 1,0	10,2	96.0	171
1312212	12 G 1,0	10,5	115.0	197
1312218	18 G 1,0	12,7	173.0	289
1312225	25 G 1,0	14,7	240.0	412
1312234	34 G 1,0	17,1	326.4	532
1312241	41 G 1,0	18,8	393.6	638
1312952	2 X 1,5	6,3	29.0	63
1312303	3 G 1,5	6,7	43.0	79
1312953	3 X 1,5	6,7	43.0	79
1312304	4 G 1,5	7,2	58.0	98
1312954	4 X 1,5	7,2	58.0	98
1312305	5 G 1,5	8,1	72.0	121
1312955	5 X 1,5	8,1	72.0	121
1312307	7 G 1,5	8,9	101.0	159
1312957	7 X 1,5	8,9	101.0	159
1312312	12 G 1,5	12.0	173.0	268
1312318	18 G 1,5	13,4	259.5	392
1312325	25 G 1,5	16,9	360.0	531
1312334	34 G 1,5	19,4	489.6	722
1312341	41 G 1,5	21,3	590.4	867
1312403	3 G 2,5	8,1	72.0	132
1312404	4 G 2,5	8,9	96.0	163
1312405	5 G 2,5	10.0	120.0	186
1312407	7 G 2,5	11,1	168.0	267

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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1312412	12 G 2,5	14,8	288.0	445
1312504	4 G 4	10,8	154.0	237
1312505	5 G 4	12,1	192.0	291
1312507	7 G 4	13,4	269.0	391
1312604	4 G 6	13.0	230.4	327
1312605	5 G 6	14,5	288.0	424
1312607	7 G 6	16.0	403.0	580
1312614	4 G 10	16,2	384.0	567
1312615	5 G 10	18,1	480.0	695
1312617	7 G 10	20.0	672.0	937
1312624	4 G 16	18,8	614.4	1064
ÖLFLEX® CLASSIC 400 P DESINA - sheath colour: black				
1312970	4 G 1,5	7,2	58.0	98
1312981	7 G 1,5	8,8	101.0	159
1312983	11 G 1,5	11,6	158.0	228
1312973	4 G 2,5	8,9	96.0	163
1312974	4 G 4	10,8	154.0	237
1312975	4 G 6	13.0	230.4	350
1312976	4 G 10	16,2	384.0	567
1312978	4 G 25	23,5	960.0	1582