


U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
	<b>ÖLFLEX® CLASSIC 100 CY</b>	05.11.2015

Colour-coded and screened PVC control cable  
Space-saving installation due to small cable diameters  
High electrical performance due to 4 kV test voltage



Good chemical resistance



Interference signals

#### Info

EMC-compliant

#### Application range

Plant engineering  
Industrial machinery  
Heating and air-conditioning systems  
Conveyor and transport systems  
Servo drives  
In EMC-sensitive environments  
(electromagnetic compatibility)

#### Product Make-up

Fine-wire strand made of bare copper wires  
PVC insulation LAPP P8/1  
Cores twisted in layers  
PVC inner sheath, grey  
Tinned-copper braiding  
PVC outer sheath, transparent


#### Norm references / Approvals

Based on IEC 60227-5 and EN 50525-2-51

#### Product features

Flame-retardant according IEC 60332-1-2  
Good chemical resistance, see catalogue appendix T1  
High degree of screening  
low transfer impedance  
(max. 250  $\Omega$ /km at 30 MHz)

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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 150/100 kg. 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).

Single lengths for sizes:  $\geq$  4G50 max. 500 m;  $\geq$  4G95 max. 400 m;  $\geq$  4G120 max. 300 m;  $\geq$  4G150 max. 250 m

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

### Technical Data

Core identification code:	Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9 From 6 cores: ÖLFLEX® colour code, refer to Appendix T7
Classification:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
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:	Up to 1.0 mm <sup>2</sup> : U <sub>0</sub> /U: 300/500 V From 1.5 mm <sup>2</sup> : U <sub>0</sub> /U: 450/750 V Fixed, protected installation: U <sub>0</sub> /U: 600/1000 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 <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CLASSIC 100 CY; U <sub>0</sub> /U: 300/500 V				
0035001	2 X 0,5	7,0	41,0	75
0035002	3 G 0,5	7,3	46,0	83
00350033	4 G 0,5	7,9	55,0	99
00352013	5 G 0,5	8,4	66,0	112
0035202	7 G 0,5	8,9	80,0	132
0035004	2 X 0,75	7,4	46,0	86
0035005	3 G 0,75	7,9	57,0	100
00350063	4 G 0,75	8,4	64,0	115
00350163	5 G 0,75	8,9	77,0	130
0035203	7 G 0,75	9,7	102,0	161
0035220	2 X 1,0	7,9	56,0	98
0035221	3 G 1,0	8,2	65,0	111
00352223	4 G 1,0	8,7	78,0	130
00352233	5 G 1,0	9,5	89,0	153
0035204	7 G 1,0	10,2	113,0	185
ÖLFLEX® CLASSIC 100 CY; U <sub>0</sub> /U: 450/750 V				
0035000	2 X 1,5	9,9	65,0	132
0035458	3 G 1,5	10,3	79,0	170
00354593	4 G 1,5	11,3	97,0	204
00354603	5 G 1,5	12,6	116,0	246
0035461	7 G 1,5	13,9	149,0	320
0035011	3 G 2,5	11,8	146,0	211
00350173	4 G 2,5	13,5	167,0	310
00350123	5 G 2,5	14,6	200,0	326
0035289	7 G 2,5	15,9	288,0	444
00350183	4 G 4	15,1	237,0	403
00350133	5 G 4	16,5	328,0	478
00350193	4 G 6	16,6	318,0	521
00350143	5 G 6	18,2	441,0	624
0034953	3 G 10	18,9	414,0	690
00350213	4 G 10	21,1	558,0	843
00352903	5 G 10	23,1	714,0	1004
0034954	3 G 16	21,7	607,0	910

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00350223	4 G 16	23,9	804.0	1164
00350153	5 G 16	26,8	1050.0	1812
0034955	3 G 25	26,6	936.0	1330
00350233	4 G 25	29,4	1289.0	1903
00350243	5 G 25	32,6	1446.0	2374
0034956	3 G 35	29,4	1258.0	1370
00350253	4 G 35	32,4	1693.0	2489
00350263	5 G 35	36,0	1975.0	2771
0034952	3 G 50	35,1	1748.0	2590
00350273	4 G 50	38,8	2342.0	3362
00350283	4 G 70	43,7	3035.0	3719
00350293	4 G 95	50,4	4055.0	5849
00354303	4 G 120	56,8	5225.0	7509
00354313	4 G 150	62,2	6300.0	7800
00354323	4 G 185	67,8	7753.0	9866