

ÖLFLEX® CLASSIC 100 300/500 V

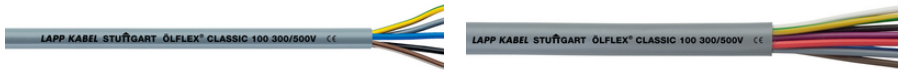
Colour-coded PVC control cable

ÖLFLEX® CLASSIC 100 - flexible PVC cable, colour coded, control cable for various applications, 300/500V, also for YSLY or YY

Info

CPR: Article number choice under www.lappkabel.com/cpr

For nominal voltage U0/U: 450/750V or higher conductor cross-sections see ÖLFLEX® CLASSIC 100 450/750V



Good chemical resistance



Torsion-resistant

Benefits

Space-saving installation due to small cable diameters

High electrical performance due to 4 kV test voltage

High flexibility due to short-twisted conductor layers

Application range

Plant engineering

Industrial machinery

Heating and air-conditioning systems

Power stations

Dry or damp rooms that are subject to medium mechanical loads

For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load

Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

High-quality alternative to control cable types YSLY or YY

Product features

Flame-retardant according IEC 60332-1-2

Good chemical resistance, see catalogue appendix T1

Last Update (12.04.2022)

©2022 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

ÖLFLEX® CLASSIC 100 300/500 V

Norm references / Approvals

Based on EN 50525-2-51

Based on EN 50525-2-11

Product Make-up

Fine-wire strand made of bare copper wires

PVC insulation LAPP P8/1

Cores twisted in layers

PVC outer sheath, grey (similar RAL 7001)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC001578 ETIM 6.0 Class-Description: Flexible cable
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
Conductor stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Torsion movement in WTG:	TW-0 & TW-1, refer to Appendix T0
Minimum bending radius:	Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter
Nominal voltage:	U0/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

Note

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

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).

Single lengths for sizes: ≥ 5G50 max. 500 m; ≥ 5G95 max. 400; ≥ 3G120 max. 500 m; ≥ 4G120 max. 300; ≥ 4G185 max. 250 m

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

Prices are net prices without VAT and surcharges. Sale to business customers only.

ÖLFLEX® CLASSIC 100 300/500 V

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CLASSIC 100 300/500 V				
00100004	2 X 0.5	4.8	9.6	35
00100014	3 G 0.5	5.1	14.4	42
00101224	3 X 0.5	5.1	14.4	42
00100024	4 G 0.5	5.7	19.2	54
00101234	4 X 0.5	5.7	19.2	54
00100034	5 G 0.5	6.2	24	63
00101244	5 X 0.5	6.2	24	63
0010004	6 G 0.5	6.7	28.8	73
0010005	7 G 0.5	6.7	33.6	81
0010006	8 G 0.5	8	38.4	97
0010007	10 G 0.5	8.6	48	116
0010008	12 G 0.5	8.9	58	133
0010009	14 G 0.5	9.5	67	151
0010010	16 G 0.5	10	76	169
0010011	21 G 0.5	11.7	99	223
0010012	24 G 0.5	12.4	114	254
0010016	40 G 0.5	15.4	192	404
00100214	2 X 0.75	5.4	14.4	45
00100224	3 G 0.75	5.7	21.6	55
00101254	3 X 0.75	5.7	21.6	55
00100234	4 G 0.75	6.2	28.8	66
00101264	4 X 0.75	6.2	28.8	66
00100244	5 G 0.75	6.7	36	79
00101274	5 X 0.75	6.7	36	79
0010025	6 G 0.75	7.3	43.3	104
0010026	7 G 0.75	7.3	50.4	109
0010027	8 G 0.75	8.8	56	123
0010028	9 G 0.75	9.4	63	144
0010029	10 G 0.75	9.6	72	153
0010030	12 G 0.75	9.9	86.4	176
0010031	15 G 0.75	10.9	108	211
0010032	18 G 0.75	11.7	129.6	268
0010033	21 G 0.75	13	151	293

Last Update (12.04.2022)

©2022 Lapp Group - Technical changes reserved

 Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03_16

ÖLFLEX® CLASSIC 100 300/500 V

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
0010034	25 G 0.75	13.8	180	374
0010036	40 G 0.75	17.3	288	571
0010037	50 G 0.75	19.2	360	698
00100414	2 X 1.0	5.7	19.2	53
00100424	3 G 1.0	6	28.8	65
00102034	3 X 1.0	6	28.8	65
00100434	4 G 1.0	6.5	38.4	79
00102044	4 X 1.0	6.5	38.4	79
00100444	5 G 1.0	7.1	48	94
00102054	5 X 1.0	7.1	48	94
0010045	6 G 1.0	8	58	124
0010046	7 G 1.0	8	67	131
0010047	8 G 1.0	9.5	77	146
0010049	10 G 1.0	10.2	96	183
0010050	12 G 1.0	10.5	115	215
0010052	16 G 1.0	11.8	154	282
0010053	18 G 1.0	12.7	173	315
0010054	20 G 1.0	13.4	192	350
0010056	25 G 1.0	14.7	240	449
00100634	2 X 1.5	6.3	28.8	68
00100644	3 G 1.5	6.7	43.2	84
00101284	3 X 1.5	6.7	43.2	84
00100654	4 G 1.5	7.2	57.6	104
00101294	4 X 1.5	7.2	57.6	104
00100664	5 G 1.5	8.1	72	128
00101304	5 X 1.5	8.1	72	128
0010068	7 G 1.5	8.9	101	166
0010069	8 G 1.5	10.6	115	205
0010071	12 G 1.5	12	173	307
0010072	14 G 1.5	12.7	202	349
0010074	18 G 1.5	14.4	259	465
0010076	25 G 1.5	16.9	360	655
1120800	2 X 2.5	7.5	48	100
1120801	3 G 2.5	8.1	72	132

Last Update (12.04.2022)

©2022 Lapp Group - Technical changes reserved

 Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03_16

ÖLFLEX® CLASSIC 100 300/500 V

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
1120802	4 G 2.5	8.9	96	163
1120803	5 G 2.5	10	120	200
1120804	7 G 2.5	11.1	168	267
1120805	2 X 4.0	9.2	77	160
1120806	3 G 4.0	9.9	115.2	201
1120807	4 G 4.0	10.8	153.6	263
1120808	5 G 4.0	12.1	192	315
1120809	7 G 4.0	13.4	269	407
1120810	3 G 6.0	11.7	174	289
1120811	4 G 6.0	13	230	352
1120812	5 G 6.0	14.5	288	470
1120813	7 G 6.0	16	403	600
1120814	3 G 10.0	14.6	288	466
1120815	4 G 10.0	16.2	384	590
1120816	5 G 10.0	18.1	480	722
1120817	3 G 16.0	17	460.8	720
1120818	4 G 16.0	18.8	614.4	1067
1120819	5 G 16.0	21.2	768	1370
1120820	3 G 25.0	21	720	1250
1120821	4 G 25.0	23.5	960	1582
1120822	5 G 25.0	26.4	1200	1998
1120823	3 G 35.0	23.7	1008	1700
1120824	4 G 35.0	26.4	1344	2106
1120825	5 G 35.0	29.6	1680	2635
1120826	3 G 50.0	29.1	1440	2200
1120827	4 G 50.0	32.4	1920	2800
1120828	5 G 50.0	36.5	2400	3600

Last Update (12.04.2022)

©2022 Lapp Group - Technical changes reserved

 Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03_16