

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

Nominal voltage U_0/U : 300/500V

Identical to previous ÖLFLEX CLASSIC 100 up to 1.5 mm² but with extended cross-section range

For nominal voltage U_0/U : 450/750V or higher conductor cross-sections see ÖLFLEX® CLASSIC 100 450/750V



Torsion-resistant



Good chemical resistance

Benefits

Space-saving installation due to small cable diameters

High electrical safety due to 4 kV test voltage

Good flexibility thanks to core stranding with short lay lengths

Now available with conductor cross-section from 2.5mm² as 300/500V version

Application range

Plant construction

Machine building

Heating and air-conditioning systems

Power plant engineering

Dry or damp rooms that are subject to normal mechanical loads

For fixed installation as well as occasional flexing with 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

Last Update (21.02.2017)

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

PN 0456 / 02_03.16

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Product features

Flame-retardant according to IEC 60332-1-2
Good chemical resistance, see catalogue appendix T1

Norm references / approvals

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

Design

Finely stranded bare copper wires
PVC core insulation LAPP P8/1
Cores twisted in layers
PVC sheath, grey (RAL 7001)

Technical Data

Classification:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 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 (appendix T7)
Conductor design:	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:	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

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; see catalogue appendix T17 for the application and definition of "Metal price basis" and "Metal index"

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging: Ring \leq 30 kg or \leq 250 m, otherwise drum

Please specify the preferred packaging (e.g. 1 x 500 m drum or 5 x 100 m rings)

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

Photographs 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.

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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

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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	5.7	19.2	53
00100424	3 G 1	6	28.8	65
00102034	3 X 1	6	28.8	65
00100434	4 G 1	6.5	38.4	79
00102044	4 X 1	6.5	38.4	79
00100444	5 G 1	7.1	48	94
00102054	5 X 1	7.1	48	94
0010045	6 G 1	8	58	124
0010046	7 G 1	8	67	131
0010047	8 G 1	9.5	77	146
0010049	10 G 1	10.2	96	183
0010050	12 G 1	10.5	115	215
0010052	16 G 1	11.8	154	282
0010053	18 G 1	12.7	173	315
0010054	20 G 1	13.4	192	350
0010056	25 G 1	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

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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	9.2	77	160
1120806	3 G 4	9.9	115.2	201
1120807	4 G 4	10.8	153.6	263
1120808	5 G 4	12.1	192	315
1120809	7 G 4	13.4	269	407
1120810	3 G 6	11.7	174	289
1120811	4 G 6	13	230	352
1120812	5 G 6	14.5	288	470
1120813	7 G 6	16	403	600
1120814	3 G 10	14.6	288	466
1120815	4 G 10	16.2	384	590
1120816	5 G 10	18.1	480	722
1120817	3 G 16	17	460.8	720
1120818	4 G 16	18.8	614.4	1067
1120819	5 G 16	21.2	768	1370
1120820	3 G 25	21	720	1250
1120821	4 G 25	23.5	960	1582
1120822	5 G 25	26.4	1200	1998
1120823	3 G 35	23.7	1008	1700
1120824	4 G 35	26.4	1344	2106
1120825	5 G 35	29.6	1680	2635
1120826	3 G 50	29.1	1440	2200
1120827	4 G 50	32.4	1920	2800
1120828	5 G 50	36.5	2400	3600

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