Colour-coded PVC control cable
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
Now available with conductor cross-section from 2,5mm² as 300/500V version

CE

Good chemical resistance

Torsion-resistant

Info
Nominal voltage U_0/U: 300/500V
Identical to previous ÖLFLEX CLASSIC 100 up to 1,5mm² but with extended range of cross-section
For nominal voltage U_0/U: 450/750V or higher conductor cross-sections see ÖLFLEX® CLASSIC 100 450/750V

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)

Product Make-up
Fine-wire strand made of bare copper wires
PVC insulation LAPP P8/1
Cores twisted in layers
PVC outer sheath, grey (RAL 7001)

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

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
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 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
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

Part number	Number of cores and mm² 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	24.0	63
00101244	5 X 0,5	6,2	24.0	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	8.0	38.4	97
0010007	10 G 0,5	8,6	48.0	116
0010008	12 G 0,5	8,9	58.0	133
0010009	14 G 0,5	9,5	67.0	151
0010010	16 G 0,5	10.0	76.0	169
0010011	21 G 0,5	11,7	99.0	223
0010012	24 G 0,5	12,4	114.0	254
0010016	40 G 0,5	15,4	192.0	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	36.0	79
00101274	5 X 0,75	6,7	36.0	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	56.0	123
0010028	9 G 0,75	9,4	63.0	144
0010029	10 G 0,75	9,6	72.0	153
0010030	12 G 0,75	9,9	86.4	176
0010031	15 G 0,75	10,9	108.0	211
0010032	18 G 0,75	11,7	129.6	268
0010033	21 G 0,75	13.0	151.0	293

Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
0010034	25 G 0,75	13,8	180.0	374
0010036	40 G 0,75	17,3	288.0	571
0010037	50 G 0,75	19,2	360.0	698
00100414	2 X 1,0	5,7	19.2	53
00100424	3 G 1,0	6.0	28.8	65
00102034	3 X 1,0	6.0	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	48.0	94
00102054	5 X 1,0	7,1	48.0	94
0010045	6 G 1,0	8.0	58.0	124
0010046	7 G 1,0	8.0	67.0	131
0010047	8 G 1,0	9,5	77.0	146
0010049	10 G 1,0	10,2	96.0	183
0010050	12 G 1,0	10,5	115.0	215
0010052	16 G 1,0	11,8	154.0	282
0010053	18 G 1,0	12,7	173.0	315
0010054	20 G 1,0	13,4	192.0	350
0010056	25 G 1,0	14,7	240.0	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	72.0	128
00101304	5 X 1,5	8,1	72.0	128
0010068	7 G 1,5	8,9	101.0	166
0010069	8 G 1,5	10,6	115.0	205
0010071	12 G 1,5	12.0	173.0	307
0010072	14 G 1,5	12,7	202.0	349
0010074	18 G 1,5	14,4	259.0	465
0010076	25 G 1,5	16,9	360.0	655
1120800	2 X 2,5	7,5	48.0	100
1120801	3 G 2,5	8,1	72.0	132

Part number	Number of cores and mm² per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
1120802	4 G 2,5	8,9	96.0	163
1120803	5 G 2,5	10.0	120.0	200
1120804	7 G 2,5	11,1	168.0	267
1120805	2 X 4	9,2	77.0	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	192.0	315
1120809	7 G 4	13,4	269.0	407
1120810	3 G 6	11,7	174.0	289
1120811	4 G 6	13.0	230.0	352
1120812	5 G 6	14,5	288.0	470
1120813	7 G 6	16.0	403.0	600
1120814	3 G 10	14,6	288.0	466
1120815	4 G 10	16,2	384.0	590
1120816	5 G 10	18,1	480.0	722
1120817	3 G 16	17.0	460.8	720
1120818	4 G 16	18,8	614.4	1067
1120819	5 G 16	21,2	768.0	1370
1120820	3 G 25	21.0	720.0	1250
1120821	4 G 25	23,5	960.0	1582
1120822	5 G 25	26,4	1200.0	1998
1120823	3 G 35	23,7	1008.0	1700
1120824	4 G 35	26,4	1344.0	2106
1120825	5 G 35	29,6	1680.0	2635
1120826	3 G 50	29,1	1440.0	2200
1120827	4 G 50	32,4	1920.0	2800
1120828	5 G 50	36,5	2400.0	3600