

Wide-range use

PVC sheath and coloured cores



# ÖLFLEX® CLASSIC 100



**Info**

- Customised colour option and printing of the outer sheath on request

**Benefits**

- Space-saving installation due to small cable diameters
- High electrical performance due to 4kV test voltage
- Increased flexibility due short-twisted conductor layers

**Application range**

- Plant engineering and construction  
Industrial machinery  
Air conditioning installations  
Power station
- Dry or damp interiors under medium mechanical load conditions
- Fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load

**Product features**

- Flame-retardant acc. to IEC 60332-1-2
- Good chemical resistance

**Approvals (Norm references)**



**Product Make-up**

- Fine strands of bare copper wires
- PVC insulation LAPP P8/1
- Cores twisted in layers
- PVC outer sheath, grey (RAL 7001)

**Technical data**

**Core identification code**  
up to 5 cores acc. to: VDE 0293-308 (table T4) starting at 6 cores: ÖLFLEX® colour code

**Based on**  
IEC 60227-5  
HD 21.5 S3; VDE 0281 Part 5  
HD 21.13 S1; VDE 0281 Part 13

**Specific insulation resistance**  
> 20 GOhm x cm

**Conductor stranding**  
fine wire acc. to  
VDE 0295 Kl.5 / IEC 60228 Cl.5

**Minimum bending radius**  
occasional flexing: 15 x cable diameter  
fixed installation: 4 x cable diameter

**Rated voltage**  
up to 1,5 mm<sup>2</sup>: U<sub>0</sub>/U: 300/500 V  
starting at 2.5 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 protective conductor GN/YE  
X = without protective conductor

**Range of temperature**  
occasional flexing: -5 °C to +70 °C  
fixed installation: -40 °C to +80 °C

Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
<b>ÖLFLEX® CLASSIC 100; U<sub>0</sub>/U: 300/500 V</b>				
0010000	2 X 0.5	5.4	9.6	42
0010001	3 G 0.5	5.7	14.4	50
00101223	3 X 0.5	5.7	15.0	50
00100023	4 G 0.5	6.2	19.2	60
00101233	4 X 0.5	6.2	19.2	60
00100033	5 G 0.5	6.7	24.0	71
00101243	5 X 0.5	6.7	24.0	71
0010004	6 G 0.5	6.7	29.0	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
0010021	2 X 0.75	6.2	14.4	56
0010022	3 G 0.75	6.5	21.6	67
00101253	3 X 0.75	6.5	21.6	67
00100233	4 G 0.75	7.1	28.8	81
00101263	4 X 0.75	7.1	28.8	81
00100243	5 G 0.75	8.0	36.0	99
00101273	5 X 0.75	8.0	36.0	99
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	229
0010032	18 G 0.75	11.7	129.6	268
0010033	21 G 0.75	13.0	151.0	293
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
0010041	2 X 1	6.5	19.2	64
0010042	3 G 1	6.9	29.0	78
00102033	3 X 1	6.9	28.0	78
00100433	4 G 1	7.7	38.4	97

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Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
<b>ÖLFLEX® CLASSIC 100; U0/U: 300/500 V</b>				
00102043	4 X 1	7.7	38.4	97
00100443	5 G 1	8.4	48.0	105
00102053	5 X 1	8.4	48.0	105
0010045	6 G 1	8.0	58.0	124
0010046	7 G 1	8.0	67.0	131
0010047	8 G 1	9.5	77.0	146
0010049	10 G 1	10.2	96.0	183
0010050	12 G 1	10.5	115.0	220
0010052	16 G 1	11.8	154.0	282
0010053	18 G 1	12.7	173.0	315
0010054	20 G 1	13.4	192.0	350
0010056	25 G 1	14.7	240.0	449
0010063	2 X 1.5	7.5	29.0	87
0010064	3 G 1.5	8.1	43.0	109
00101283	3 X 1.5	8.1	43.0	109
00100653	4 G 1.5	8.9	58.0	133
00101293	4 X 1.5	8.9	58.0	133
00100663	5 G 1.5	10.0	72.0	163
00101303	5 X 1.5	10.0	72.0	163
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
<b>ÖLFLEX® CLASSIC 100; U0/U: 450/750 V</b>				
0010086	2 X 2.5	8.9	48.0	128
0010087	3 G 2.5	9.6	72.0	162
00100933	3 X 2.5	9.6	72.0	162
00100883	4 G 2.5	10.7	96.0	203
00100893	5 G 2.5	11.8	120.0	242
0010091	7 G 2.5	13.1	168.0	321
0010092	8 G 2.5	15.8	192.0	385
0010100	2 X 4	10.6	76.8	187
0010210	3 G 4	11.8	115.2	255
00101013	4 G 4	12.7	154.0	297
00101023	5 G 4	13.9	192.0	355
0010103	7 G 4	15.4	269.0	471
0010105	3 G 6	12.6	173.0	318
00101063	4 G 6	13.8	230.0	394
00101073	5 G 6	15.6	288.0	489
0010108	7 G 6	17.3	403.0	651
0010301	3 G 10	15.9	288.0	516
00101093	4 G 10	17.6	384.0	650
00101103	5 G 10	19.7	480.0	792
0010111	7 G 10	21.7	672.0	1,058
0010302	3 G 16	18.3	461.0	911
00101123	4 G 16	20.4	614.0	1,087
00101133	5 G 16	22.8	768.0	1,370
0010303	3 G 25	23.0	720.0	1,388
00101153	4 G 25	25.4	960.0	1,582
00101163	5 G 25	28.5	1,200.0	1,998
0010304	3 G 35	25.6	1,008.0	1,766
00101173	4 G 35	28.5	1,344.0	2,106
00101183	5 G 35	31.9	1,680.0	2,635
0010305	3 G 50	31.0	1,440.0	2,556
00101193	4 G 50	34.5	1,920.0	2,943
00103133	5 G 50	38.6	2,400.0	3,936
0010306	3 G 70	35.3	2,016.0	3,182
00101203	4 G 70	39.4	2,688.0	4,092
00103143	5 G 70	44.1	3,360.0	4,800
0010307	3 G 95	41.3	2,736.0	4,675
00101213	4 G 95	45.8	3,648.0	5,538
00103153	5 G 95	50.0	4,560.0	5,600
0010308	3 G 120	46.6	3,456.0	5,626
00103093	4 G 120	51.9	4,608.0	6,994
00103123	4 G 185	61.9	7,104.0	8,300

Copper price basis: EUR 150 / 100 kg

Our standard lengths, please visit: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum

Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

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

**Comparable products**

- ÖLFLEX® CLASSIC 110 BK POWER 0,6/1kV see page 20

**Accessories**

- SKINTOP® CLICK see page 107

