

**Wide range use**

PVC sheath and coloured cores

**New**

**ÖLFLEX® CLASSIC 100**



**Info**

- Change to new articles with reduced insulation wall thickness up to 1,5 mm<sup>2</sup>
- Advantage: less space required and improved installation possibilities, other features remain unchanged

**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 according to IEC 60332-1-2
- Good chemical resistance  
see Main Catalogue 2010/11 Appendix T1

**Approvals (Norm references)**



**Design**

- 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: according to VDE 0293-308 (Main Catalogue 2010/11 Appendix T9)

**Based on**  
HD 21.13 S1; VDE 0281 Part 13

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

**Conductor stranding**  
Fine wire in accordance to VDE 0295 Class 5 / IEC 60228 Class 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

**Test voltage**  
4000 V

**Protective conductor**  
G = with protective conductor GN/YE  
X = without protective conductor

**Range of temperature**  
Occasional flexing: -5°C up to +70°C  
Fixed installation: -40°C up to +80°C

**New parts**

Part number „new“	Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm approx. „new“	Copper index kg/km	Weight kg/km approx. „new“
<b>ÖLFLEX® CLASSIC 100; U<sub>0</sub>/U: 300/500 V</b>				
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
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
00100414	2 X 1	5,7	19,2	53
00100424	3 G 1	6,0	28,8	65
00102034	3 X 1	6,0	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	48,0	94
00102054	5 X 1	7,1	48,0	94
00100634	2 X 1,5	6,3	28,8	68
00100644	3 G 1,5	6,7	43,0	84
00101284	3 X 1,5	6,7	43,0	84
00100654	4 G 1,5	7,2	58,0	104
00101294	4 X 1,5	7,2	58,0	104
00100664	5 G 1,5	8,1	72,0	128
00101304	5 X 1,5	8,1	72,0	128

**Previous parts**

Part number „old“	Outer diameter in mm approx. „old“	Weight kg/km approx. „old“
<b>ÖLFLEX® CLASSIC 100; U<sub>0</sub>/U: 300/500 V</b>		
00100000	5,4	42
00100001	5,7	50
00101223	5,7	50
00100023	6,2	60
00101233	6,2	60
00100033	6,7	71
00101243	6,7	71
0010021	6,2	56
0010022	6,5	67
00101253	6,5	67
00100233	7,1	81
00101263	7,1	81
00100243	8,0	99
00101273	8,0	99
0010041	6,5	64
0010042	6,9	78
00102033	6,9	78
00100433	7,7	97
00102043	7,7	97
00100443	8,4	105
00102053	8,4	105
0010063	7,5	87
0010064	8,1	109
00101283	8,1	109
00100653	8,9	133
00101293	8,9	133
00100663	10,0	164
00101303	10,0	164

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

Copper price basis: EUR 150 / 100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see Main Catalogue 2010/11 Appendix T17

Please find our standard lengths at: [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

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

**Comparable products**

- UNITRONIC® 100
- ÖLFLEX® CLASSIC 100 BK POWER 0,6/1kV
- ÖLFLEX® CLASSIC 130 H BK 0,6/1kV

**Accessories**

- SKINTOP® CLICK
- TY - FAST® standard cable ties
- STAR STRIP stripping tool