

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 according to IEC 60332-1-2
- Good chemical resistance see 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 (appendix T9)  
Starting at 6 cores: ÖLFLEX® colour code (appendix T7)



**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 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  
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 up to +70°C  
Fixed installation: -40°C up 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	14.4	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	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
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	211
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