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
  table T1 appendix

Approvals (Norm references)

CE RoHS

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 T9)
starting at 6 cores: ÖLFLEX® code (table 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 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 mm²: U_0/U: 300/500 V
starting at 2.5 mm²: U_0/U: 450/750 V
fixed, protected installation:
U_0/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 mm² per conductor	Outer diameter in mm approx.	Copper index kg/km	Weight kg/km approx.
ÖLFLEX® CLASSIC 100; U0/U: 300/500 V				
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