New

# ÖLFLEX® CLASSIC 100




**Info**

- **Change to new articles with reduced insulation wall thickness up to 1,5 mm²**
- **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)

CE RoHS

## 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 mm²: $U_0$/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 | | | | | Previous parts | | |
|---|---|---|---|---|---|---|---|
| Part number ‚new' | Number of cores and mm² per conductor | Outer diameter in mm approx. ‚new' | Copper index kg/km | Weight kg/km approx. ‚new' | Part number ‚old' | Outer diameter in mm approx. ‚old' | Weight kg/km approx. ‚old' |
| ÖLFLEX® CLASSIC 100; $U_0$/U: 300/500 V | | | | | ÖLFLEX® CLASSIC 100; $U_0$/U: 300/500 V | | |
| 00100004 | 2 X 0,5 | 4,8 | 9,6 | 35 | 0010000 | 5,4 | 42 |
| 00100014 | 3 G 0,5 | 5,1 | 14,4 | 42 | 0010001 | 5,7 | 50 |
| 00101224 | 3 X 0,5 | 5,1 | 14,4 | 42 | 00101223 | 5,7 | 50 |
| 00100024 | 4 G 0,5 | 5,7 | 19,2 | 54 | 00100023 | 6,2 | 60 |
| 00101234 | 4 X 0,5 | 5,7 | 19,2 | 54 | 00101233 | 6,2 | 60 |
| 00100034 | 5 G 0,5 | 6,2 | 24,0 | 63 | 00100033 | 6,7 | 71 |
| 00101244 | 5 X 0,5 | 6,2 | 24,0 | 63 | 00101243 | 6,7 | 71 |
| 00100214 | 2 X 0,75 | 5,4 | 14,4 | 45 | 0010021 | 6,2 | 56 |
| 00100224 | 3 G 0,75 | 5,7 | 21,6 | 55 | 0010022 | 6,5 | 67 |
| 00101254 | 3 X 0,75 | 5,7 | 21,6 | 55 | 00101253 | 6,5 | 67 |
| 00100234 | 4 G 0,75 | 6,2 | 28,8 | 66 | 00100233 | 7,1 | 81 |
| 00101264 | 4 X 0,75 | 6,2 | 28,8 | 66 | 00101263 | 7,1 | 81 |
| 00100244 | 5 G 0,75 | 6,7 | 36,0 | 79 | 00100243 | 8,0 | 99 |
| 00101274 | 5 X 0,75 | 6,7 | 36,0 | 79 | 00101273 | 8,0 | 99 |
| 00100414 | 2 X 1 | 5,7 | 19,2 | 53 | 0010041 | 6,5 | 64 |
| 00100424 | 3 G 1 | 6,0 | 28,8 | 65 | 0010042 | 6,9 | 78 |
| 00102034 | 3 X 1 | 6,0 | 28,8 | 65 | 00102033 | 6,9 | 78 |
| 00100434 | 4 G 1 | 6,5 | 38,4 | 79 | 00100433 | 7,7 | 97 |
| 00102044 | 4 X 1 | 6,5 | 38,4 | 79 | 00102043 | 7,7 | 97 |
| 00100444 | 5 G 1 | 7,1 | 48,0 | 94 | 00100443 | 8,4 | 105 |
| 00102054 | 5 X 1 | 7,1 | 48,0 | 94 | 00102053 | 8,4 | 105 |
| 00100634 | 2 X 1,5 | 6,3 | 28,8 | 68 | 0010063 | 7,5 | 87 |
| 00100644 | 3 G 1,5 | 6,7 | 43,0 | 84 | 0010064 | 8,1 | 109 |
| 00101284 | 3 X 1,5 | 6,7 | 43,0 | 84 | 00101283 | 8,1 | 109 |
| 00100654 | 4 G 1,5 | 7,2 | 58,0 | 104 | 00100653 | 8,9 | 133 |
| 00101294 | 4 X 1,5 | 7,2 | 58,0 | 104 | 00101293 | 8,9 | 133 |
| 00100664 | 5 G 1,5 | 8,1 | 72,0 | 128 | 00100663 | 10,0 | 164 |
| 00101304 | 5 X 1,5 | 8,1 | 72,0 | 128 | 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
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