

ÖLFLEX® CLASSIC 100 300/500 V

Colour-coded PVC control cable

ÖLFLEX® CLASSIC 100 - flexible PVC cable, colour coded. Control cable for various applications, 300/500V, also for YSLY or YY

Info

CPR: Article number choice under www.lappkabel.com/cpr

For nominal voltage U0/U: 450/750V or higher conductor cross-sections see ÖLFLEX® CLASSIC 100 450/750V



Good chemical resistance



Torsion-resistant

Benefits

Space-saving installation due to small cable diameters

High electrical performance due to 4 kV test voltage

High flexibility due to short-twisted conductor layers

Application range

Plant engineering

Industrial machinery

Heating and air-conditioning systems

Power stations

Dry or damp rooms that are subject to medium mechanical loads

For fixed installation as well as occasional flexing at free, non-continuously recurring movement without tensile load

Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)

High-quality alternative to control cable types YSLY or YY

Product features

Flame-retardant according IEC 60332-1-2

Good chemical resistance, see catalogue appendix T1

Last Update (29.01.2023)

©2023 Lapp Group - Technical changes reserved

Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

ÖLFLEX® CLASSIC 100 300/500 V

Norm references / Approvals

Based on EN 50525-2-51

Based on EN 50525-2-11

Product Make-up

Fine-wire strand made of bare copper wires

PVC insulation LAPP P8/1

Cores twisted in layers

PVC outer sheath, grey (similar RAL 7001)

Technical Data

| | |
|---------------------------|--|
| Classification ETIM 5: | ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC001578 ETIM 6.0 Class-Description: Flexible cable |
| Core identification code: | Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9 From 6 cores: ÖLFLEX® colour code, refer to Appendix T7 |
| Conductor stranding: | Fine wire according to VDE 0295, class 5/IEC 60228 class 5 |
| Torsion movement in WTG: | TW-0 & TW-1, refer to Appendix T0 |
| Minimum bending radius: | Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter |
| Nominal voltage: | U0/U: 300/500 V |
| Test voltage: | 4000 V |
| Protective conductor: | G = with GN-YE protective conductor X = without protective conductor |
| Temperature range: | Occasional flexing: -5 °C to +70 °C Fixed installation: -40 °C to +80 °C |

Note

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).

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

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

Prices are net prices without VAT and surcharges. Sale to business customers only.

ÖLFLEX® CLASSIC 100 300/500 V

| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|-------------------------------|---|---------------------|----------------------|----------------|
| ÖLFLEX® CLASSIC 100 300/500 V | | | | |
| 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 | 63 |
| 00101244 | 5 X 0.5 | 6.2 | 24 | 63 |
| 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 | 38.4 | 97 |
| 0010007 | 10 G 0.5 | 8.6 | 48 | 116 |
| 0010008 | 12 G 0.5 | 8.9 | 58 | 133 |
| 0010009 | 14 G 0.5 | 9.5 | 67 | 151 |
| 0010010 | 16 G 0.5 | 10 | 76 | 169 |
| 0010011 | 21 G 0.5 | 11.7 | 99 | 223 |
| 0010012 | 24 G 0.5 | 12.4 | 114 | 254 |
| 0010016 | 40 G 0.5 | 15.4 | 192 | 404 |
| 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 | 79 |
| 00101274 | 5 X 0.75 | 6.7 | 36 | 79 |
| 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 | 123 |
| 0010028 | 9 G 0.75 | 9.4 | 63 | 144 |
| 0010029 | 10 G 0.75 | 9.6 | 72 | 153 |
| 0010030 | 12 G 0.75 | 9.9 | 86.4 | 176 |
| 0010031 | 15 G 0.75 | 10.9 | 108 | 211 |
| 0010032 | 18 G 0.75 | 11.7 | 129.6 | 268 |
| 0010033 | 21 G 0.75 | 13 | 151 | 293 |

Last Update (29.01.2023)

©2023 Lapp Group - Technical changes reserved

 Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03_16

ÖLFLEX® CLASSIC 100 300/500 V

| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 0010034 | 25 G 0.75 | 13.8 | 180 | 374 |
| 0010036 | 40 G 0.75 | 17.3 | 288 | 571 |
| 0010037 | 50 G 0.75 | 19.2 | 360 | 698 |
| 00100414 | 2 X 1.0 | 5.7 | 19.2 | 53 |
| 00100424 | 3 G 1.0 | 6 | 28.8 | 65 |
| 00102034 | 3 X 1.0 | 6 | 28.8 | 65 |
| 00100434 | 4 G 1.0 | 6.5 | 38.4 | 79 |
| 00102044 | 4 X 1.0 | 6.5 | 38.4 | 79 |
| 00100444 | 5 G 1.0 | 7.1 | 48 | 94 |
| 00102054 | 5 X 1.0 | 7.1 | 48 | 94 |
| 0010045 | 6 G 1.0 | 8 | 58 | 124 |
| 0010046 | 7 G 1.0 | 8 | 67 | 131 |
| 0010047 | 8 G 1.0 | 9.5 | 77 | 146 |
| 0010049 | 10 G 1.0 | 10.2 | 96 | 183 |
| 0010050 | 12 G 1.0 | 10.5 | 115 | 215 |
| 0010052 | 16 G 1.0 | 11.8 | 154 | 282 |
| 0010053 | 18 G 1.0 | 12.7 | 173 | 315 |
| 0010054 | 20 G 1.0 | 13.4 | 192 | 350 |
| 0010056 | 25 G 1.0 | 14.7 | 240 | 449 |
| 00100634 | 2 X 1.5 | 6.3 | 28.8 | 68 |
| 00100644 | 3 G 1.5 | 6.7 | 43.2 | 84 |
| 00101284 | 3 X 1.5 | 6.7 | 43.2 | 84 |
| 00100654 | 4 G 1.5 | 7.2 | 57.6 | 104 |
| 00101294 | 4 X 1.5 | 7.2 | 57.6 | 104 |
| 00100664 | 5 G 1.5 | 8.1 | 72 | 128 |
| 00101304 | 5 X 1.5 | 8.1 | 72 | 128 |
| 0010068 | 7 G 1.5 | 8.9 | 101 | 166 |
| 0010069 | 8 G 1.5 | 10.6 | 115 | 205 |
| 0010071 | 12 G 1.5 | 12 | 173 | 307 |
| 0010072 | 14 G 1.5 | 12.7 | 202 | 349 |
| 0010074 | 18 G 1.5 | 14.4 | 259 | 465 |
| 0010076 | 25 G 1.5 | 16.9 | 360 | 655 |
| 1120800 | 2 X 2.5 | 7.5 | 48 | 100 |
| 1120801 | 3 G 2.5 | 8.1 | 72 | 132 |
| | | | | |

Last Update (29.01.2023)

©2023 Lapp Group - Technical changes reserved

 Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03_16

ÖLFLEX® CLASSIC 100 300/500 V

| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 1120802 | 4 G 2.5 | 8.9 | 96 | 163 |
| 1120803 | 5 G 2.5 | 10 | 120 | 200 |
| 1120804 | 7 G 2.5 | 11.1 | 168 | 267 |
| 1120805 | 2 X 4.0 | 9.2 | 77 | 160 |
| 1120806 | 3 G 4.0 | 9.9 | 115.2 | 201 |
| 1120807 | 4 G 4.0 | 10.8 | 153.6 | 263 |
| 1120808 | 5 G 4.0 | 12.1 | 192 | 315 |
| 1120809 | 7 G 4.0 | 13.4 | 269 | 407 |
| 1120810 | 3 G 6.0 | 11.7 | 174 | 289 |
| 1120811 | 4 G 6.0 | 13 | 230 | 352 |
| 1120812 | 5 G 6.0 | 14.5 | 288 | 470 |
| 1120813 | 7 G 6.0 | 16 | 403 | 600 |
| 1120814 | 3 G 10.0 | 14.6 | 288 | 466 |
| 1120815 | 4 G 10.0 | 16.2 | 384 | 590 |
| 1120816 | 5 G 10.0 | 18.1 | 480 | 722 |
| 1120817 | 3 G 16.0 | 17 | 460.8 | 720 |
| 1120818 | 4 G 16.0 | 18.8 | 614.4 | 1067 |
| 1120819 | 5 G 16.0 | 21.2 | 768 | 1370 |
| 1120820 | 3 G 25.0 | 21 | 720 | 1250 |
| 1120821 | 4 G 25.0 | 23.5 | 960 | 1582 |
| 1120822 | 5 G 25.0 | 26.4 | 1200 | 1998 |
| 1120823 | 3 G 35.0 | 23.7 | 1008 | 1700 |
| 1120824 | 4 G 35.0 | 26.4 | 1344 | 2106 |
| 1120825 | 5 G 35.0 | 29.6 | 1680 | 2635 |
| 1120826 | 3 G 50.0 | 29.1 | 1440 | 2200 |
| 1120827 | 4 G 50.0 | 32.4 | 1920 | 2800 |
| 1120828 | 5 G 50.0 | 36.5 | 2400 | 3600 |

Last Update (29.01.2023)

©2023 Lapp Group - Technical changes reserved

 Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03_16