

ÖLFLEX® CLASSIC 400 P

Abrasion- and oil-resistant control cable with PUR sheath for increased application requirements

ÖLFLEX® 400 P - PUR control cable for oil-, notch- and abrasion resistant application in industrial machinery, appliances, instrumentation, control and automation.

Info

High mechanical strength

Good oil resistance

The classic for multi-functional use



Mechanical resistance



Oil-resistant



UV-resistant

Benefits

Increased durability under harsh conditions thanks to robust PUR outer sheath

Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media

Compatible with a multitude of acidic cleaning and disinfection solutions

Also available as DESINA compliant power cable with black outer sheath colour

Application range

Industrial machinery and machine tools

Measurement, control and electrical applications

Food production and packaging machinery

Very suitable for oily wet areas within machinery and production lines that are subject to normal mechanical stress

Under consideration of the temperature range also suitable for outdoor use

Product features

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Product Management www.lappkabel.de

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

PN 0456 / 02_03.16

ÖLFLEX® CLASSIC 400 P

High oil-resistance
Abrasion and notch-resistant
Low-adhesive surface
Resistant to hydrolysis and microbes

Norm references / Approvals

Based on VDE 0285
Certified resistance to disinfection and cleaning solutions used in food and beverage industry

Product Make-up

Fine-wire, bare copper conductor
Core insulation: special PVC
Cores twisted in layers
Special polyurethane outer sheath (PUR)
Sheath colour: Grey (similar RAL 7001)
DESINA: black (similar RAL 9005)

Technical Data

| | |
|---------------------------|---|
| Classification ETIM 5: | ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable |
| Classification ETIM 6: | ETIM 6.0 Class-ID: EC000104 ETIM 6.0 Class-Description: Control cable |
| Core identification code: | Black with white numbers acc. to VDE 0293-334 |
| Conductor stranding: | Fine wire according to VDE 0295, class 5/IEC 60228 class 5 |
| Minimum bending radius: | Flexible use: 12.5 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).

DESINA - Decentralized and standardized installation technology for machine tools and manufacturing systems

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.



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| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|---|---|---------------------|----------------------|----------------|
| ÖLFLEX® CLASSIC 400 P - sheath colour: grey | | | | |
| 1312802 | 2 X 0.5 | 4.8 | 10 | 32 |
| 1312003 | 3 G 0.5 | 5.1 | 15 | 43 |
| 1312803 | 3 X 0.5 | 5.1 | 15 | 43 |
| 1312004 | 4 G 0.5 | 5.7 | 19.2 | 50 |
| 1312804 | 4 X 0.5 | 5.7 | 19.2 | 50 |
| 1312005 | 5 G 0.5 | 6.2 | 24 | 59 |
| 1312805 | 5 X 0.5 | 6.2 | 24 | 59 |
| 1312007 | 7 G 0.5 | 6.7 | 34 | 73 |
| 1312807 | 7 X 0.5 | 6.7 | 34 | 73 |
| 1312010 | 10 G 0.5 | 8.6 | 48 | 109 |
| 1312012 | 12 G 0.5 | 8.9 | 57.6 | 125 |
| 1312018 | 18 G 0.5 | 10.5 | 87 | 180 |
| 1312025 | 25 G 0.5 | 12.4 | 120 | 250 |
| 1312034 | 34 G 0.5 | 14.3 | 164 | 333 |
| 1312041 | 41 G 0.5 | 15.7 | 197 | 400 |
| 1312852 | 2 X 0.75 | 5.4 | 14.4 | 41 |
| 1312103 | 3 G 0.75 | 5.7 | 21.6 | 51 |
| 1312853 | 3 X 0.75 | 5.7 | 21.6 | 51 |
| 1312104 | 4 G 0.75 | 6.2 | 28.8 | 62 |
| 1312854 | 4 X 0.75 | 6.2 | 28.8 | 62 |
| 1312105 | 5 G 0.75 | 6.7 | 36 | 74 |
| 1312855 | 5 X 0.75 | 6.7 | 36 | 74 |
| 1312107 | 7 G 0.75 | 7.3 | 50 | 97 |
| 1312857 | 7 X 0.75 | 7.3 | 50 | 97 |
| 1312110 | 10 G 0.75 | 9.6 | 72 | 142 |
| 1312112 | 12 G 0.75 | 9.9 | 86.4 | 163 |
| 1312118 | 18 G 0.75 | 11.7 | 129.6 | 234 |
| 1312125 | 25 G 0.75 | 13.8 | 180 | 324 |
| 1312134 | 34 G 0.75 | 15.9 | 244.8 | 431 |
| 1312141 | 41 G 0.75 | 17.4 | 295.2 | 529 |
| 1312902 | 2 X 1.0 | 5.7 | 19.2 | 48 |
| 1312203 | 3 G 1.0 | 6 | 28.8 | 61 |
| 1312903 | 3 X 1.0 | 6 | 28.8 | 61 |

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| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 1312204 | 4 G 1.0 | 6.5 | 38.4 | 74 |
| 1312904 | 4 X 1.0 | 6.5 | 38.4 | 74 |
| 1312205 | 5 G 1.0 | 7.1 | 48 | 89 |
| 1312905 | 5 X 1.0 | 7.1 | 48 | 89 |
| 1312207 | 7 G 1.0 | 8 | 67 | 116 |
| 1312210 | 10 G 1.0 | 10.2 | 96 | 171 |
| 1312212 | 12 G 1.0 | 10.5 | 115 | 197 |
| 1312218 | 18 G 1.0 | 12.7 | 173 | 289 |
| 1312225 | 25 G 1.0 | 14.7 | 240 | 412 |
| 1312234 | 34 G 1.0 | 17.1 | 326.4 | 532 |
| 1312241 | 41 G 1.0 | 18.8 | 393.6 | 638 |
| 1312952 | 2 X 1.5 | 6.3 | 29 | 63 |
| 1312303 | 3 G 1.5 | 6.7 | 43 | 79 |
| 1312953 | 3 X 1.5 | 6.7 | 43 | 79 |
| 1312304 | 4 G 1.5 | 7.2 | 58 | 98 |
| 1312954 | 4 X 1.5 | 7.2 | 58 | 98 |
| 1312305 | 5 G 1.5 | 8.1 | 72 | 121 |
| 1312955 | 5 X 1.5 | 8.1 | 72 | 121 |
| 1312307 | 7 G 1.5 | 8.9 | 101 | 159 |
| 1312957 | 7 X 1.5 | 8.9 | 101 | 159 |
| 1312312 | 12 G 1.5 | 12 | 173 | 268 |
| 1312318 | 18 G 1.5 | 14.4 | 259.5 | 392 |
| 1312325 | 25 G 1.5 | 16.9 | 360 | 531 |
| 1312334 | 34 G 1.5 | 19.4 | 489.6 | 722 |
| 1312341 | 41 G 1.5 | 21.3 | 590.4 | 867 |
| 1312403 | 3 G 2.5 | 8.1 | 72 | 132 |
| 1312404 | 4 G 2.5 | 8.9 | 96 | 163 |
| 1312405 | 5 G 2.5 | 10 | 120 | 186 |
| 1312407 | 7 G 2.5 | 11.1 | 168 | 267 |
| 1312412 | 12 G 2.5 | 14.8 | 288 | 445 |
| 1312504 | 4 G 4.0 | 10.8 | 154 | 237 |
| 1312505 | 5 G 4.0 | 12.1 | 192 | 291 |
| 1312507 | 7 G 4.0 | 13.4 | 269 | 391 |
| 1312604 | 4 G 6.0 | 13 | 230.4 | 327 |

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| Article number | Number of cores and mm ² per conductor | Outer diameter [mm] | Copper index (kg/km) | Weight (kg/km) |
|---|---|---------------------|----------------------|----------------|
| 1312605 | 5 G 6.0 | 14.5 | 288 | 424 |
| 1312607 | 7 G 6.0 | 16 | 403 | 580 |
| 1312614 | 4 G 10.0 | 16.2 | 384 | 567 |
| 1312615 | 5 G 10.0 | 18.1 | 480 | 695 |
| 1312617 | 7 G 10.0 | 20 | 672 | 937 |
| 1312624 | 4 G 16.0 | 18.8 | 614.4 | 1064 |
| ÖLFLEX® CLASSIC 400 P DESINA - sheath colour: black | | | | |
| 1312970 | 4 G 1.5 | 7.2 | 58 | 98 |
| 1312981 | 7 G 1.5 | 8.8 | 101 | 159 |
| 1312983 | 11 G 1.5 | 11.6 | 158 | 228 |
| 1312973 | 4 G 2.5 | 8.9 | 96 | 163 |
| 1312974 | 4 G 4.0 | 10.8 | 154 | 237 |
| 1312975 | 4 G 6.0 | 13 | 230.4 | 350 |
| 1312976 | 4 G 10.0 | 16.2 | 384 | 567 |
| 1312978 | 4 G 25.0 | 23.5 | 960 | 1582 |

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