



ÖLFLEX® CLASSIC 400 P

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

Info

- High mechanical strength
- Good oil resistance
- The classic for multi-functional use



- 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
 - Outdoor use is possible within the indicated operating temperature range

- Product features**
- 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: silver grey (RAL 7001)
 - DESINA®-compliant: black (RAL 9005)

Technical data

- Classification**
ETIM 5.0 Class-ID: EC000104
ETIM 5.0 Class-Description: Control cable
- Core identification code**
Black with white numbers acc. to VDE 0293-1
- 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

| 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 |

| Article number | Number of cores and mm ² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 1312203 | 3 G 1.0 | 6.0 | 28.8 | 61 |
| 1312903 | 3 X 1.0 | 6.0 | 28.8 | 61 |
| 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 | 8.0 | 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 | 12.0 | 173 | 268 |
| 1312318 | 18 G 1.5 | 13.4 | 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 | 10.0 | 120 | 186 |
| 1312407 | 7 G 2.5 | 11.1 | 168 | 267 |
| 1312412 | 12 G 2.5 | 14.8 | 288 | 445 |

ÖLFLEX®
UNITRONIC®
ETHERLINE®
HITRONIC®
EPIC®
SKINTOP®
SILVYN®
FLEXIMARK®
ACCESSORIES
APPENDIX

| Article number | Number of cores and mm ² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|----------------|---|---------------------|----------------------|----------------|
| 1312504 | 4 G 4 | 10.8 | 154 | 237 |
| 1312505 | 5 G 4 | 12.1 | 192 | 291 |
| 1312507 | 7 G 4 | 13.4 | 269 | 391 |
| 1312604 | 4 G 6 | 13.0 | 230.4 | 327 |
| 1312605 | 5 G 6 | 14.5 | 288 | 424 |
| 1312607 | 7 G 6 | 16.0 | 403 | 580 |
| 1312614 | 4 G 10 | 16.2 | 384 | 567 |
| 1312615 | 5 G 10 | 18.1 | 480 | 695 |
| 1312617 | 7 G 10 | 20.0 | 672 | 937 |
| 1312624 | 4 G 16 | 18.8 | 614.4 | 1064 |

| Article number | Number of cores and mm ² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|--|---|---------------------|----------------------|----------------|
| 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 | 10.8 | 154 | 237 |
| 1312975 | 4 G 6 | 13.0 | 230.4 | 350 |
| 1312976 | 4 G 10 | 16.2 | 384 | 567 |
| 1312978 | 4 G 25 | 23.5 | 960 | 1582 |

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® is a registered trademark of the German Machine Tool Builders' Association
 Photographs are not to scale and do not represent detailed images of the respective products.

Similar products

- ÖLFLEX® 408 P refer to page 79
- ÖLFLEX® 409 P refer to page 80
- ÖLFLEX® 440 P refer to page 81

Accessories

- SKINTOP® metric plastic cable glands