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| U.I. Lapp GmbH | PRODUCT INFORMATION |  |
| | ÖLFLEX® FD 891 P | 19.11.2014 |

PVC-insulated, numbered, PUR sheath, approved
Multi-standard approval reduces part varieties and saves costs
Protection against water and dirt



Mechanical resistance



Oil-resistant



Power chain



UV-resistant

Info

Core Line for ordinary duty in power chain applications

Application range

In power chains or moving machine parts
Plant engineering
Machine tools

Product Make-up

Extra-fine wire strand made of bare copper wires (class 6)
Core insulation: PVC
Cores twisted in layers in short lay lengths
Non-woven wrapping
PUR outer sheath, black (RAL 9005)


Norm references / Approvals

UL rec. AWM Style 20234
cRU AWM II A/B FT 1
For use in power chains: Please comply with the assembly guidelines listed in Appendix T3
UL File No. E63634

Product features

Abrasion and cut-resistant
Oil-resistant
Low-adhesive surface
Flame-retardant according to IEC 60332-1-2 & CSA FT1
Designed for 5 million alternating bending cycles and travel distances up to 10 meter

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Remark

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 \leq 30 kg or \leq 250 m, otherwise drum

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

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

Technical Data

| | |
|---------------------------|---|
| Core identification code: | Black with white numbers acc. to VDE 0293-1 |
| Classification: | ETIM 5.0 Class-ID: EC000104 ETIM 5.0 Class-Description: Control cable |
| Conductor stranding: | Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6 |
| Minimum bending radius: | For flexible use: 7.5 x outer diameter Fixed installation: 4 x outer diameter |
| Nominal voltage: | IEC: 300/500 V UL/CSA: 600 V |
| Test voltage: | 4000 V |
| Protective conductor: | G = with GN-YE protective conductor X = without protective conductor |
| Temperature range: | Flexing: -5°C to +80°C Fixed installation: -40°C to +80°C |

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| Part number | Number of cores and mm ² per conductor | Outer diameter (mm) | Copper index (kg/km) | Weight (kg/km) |
|------------------|---|---------------------|----------------------|----------------|
| ÖLFLEX® FD 891 P | | | | |
| 1028752 | 2 X 0,5 | 6.5 | 9.6 | 46 |
| 1028007 | 7 G 0,5 | 9.6 | 33.6 | 118 |
| 1028103 | 3 G 0,75 | 7.3 | 21.6 | 66 |
| 1028104 | 4 G 0,75 | 8.0 | 28.8 | 82 |
| 1028105 | 5 G 0,75 | 8.7 | 36.0 | 101 |
| 1028107 | 7 G 0,75 | 10.7 | 50.4 | 142 |
| 1028112 | 12 G 0,75 | 11.7 | 86.4 | 196 |
| 1028118 | 18 G 0,75 | 13.9 | 129.6 | 282 |
| 1028125 | 25 G 0,75 | 16.6 | 180.0 | 404 |
| 1028134 | 34 G 0,75 | 18.9 | 244.8 | 541 |
| 1028150 | 50 G 0,75 | 22.5 | 360.0 | 738 |
| 1028303 | 3 G 1,5 | 8.4 | 43.2 | 98 |
| 1028304 | 4 G 1,5 | 9.3 | 57.6 | 125 |
| 1028305 | 5 G 1,5 | 10.1 | 72.0 | 155 |
| 1028307 | 7 G 1,5 | 11.9 | 100.8 | 221 |
| 1028312 | 12 G 1,5 | 13.9 | 172.8 | 318 |
| 1028318 | 18 G 1,5 | 16.9 | 259.2 | 484 |
| 1028325 | 25 G 1,5 | 20.1 | 360.0 | 671 |
| 1028334 | 34 G 1,5 | 23.1 | 489.6 | 910 |
| 1028952 | 2 X 2,5 | 8.9 | 48.0 | 102 |
| 1028403 | 3 G 2,5 | 9.3 | 72.0 | 134 |
| 1028404 | 4 G 2,5 | 10.3 | 96.0 | 173 |
| 1028405 | 5 G 2,5 | 11.3 | 120.0 | 217 |
| 1028407 | 7 G 2,5 | 13.4 | 168.0 | 312 |
| 1028412 | 12 G 2,5 | 15.8 | 288.0 | 460 |
| 1028503 | 3 G 4 | 10.9 | 115.2 | 197 |
| 1028504 | 4 G 4 | 12.1 | 153.6 | 257 |
| 1028507 | 7 G 4 | 16.1 | 268.8 | 471 |
| 1028604 | 4 G 6 | 13.7 | 230.4 | 363 |
| 1028614 | 4 G 10 | 17.9 | 384.0 | 605 |
| 1028624 | 4 G 16 | 23.4 | 614.4 | 973 |
| 1028634 | 4 G 25 | 27.6 | 960.0 | 1437 |