

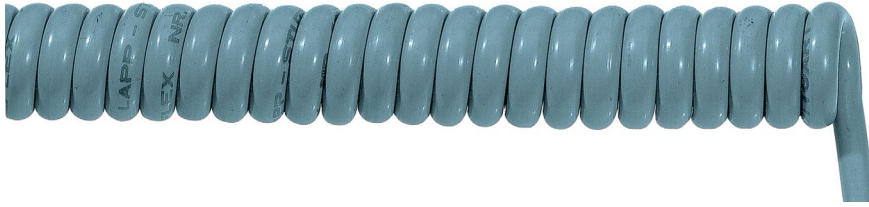
Assembled cables

Spiralised



ÖLFLEX® SPIRAL 400 P

PUR spiral cable with increased chemical resistance



Info

- High resistance to benzols, benzines and other substances listed in Appendix T1

Benefits

- High restoring forces and extension lengths up to 3 times the unextended spiral length

Application range

- As control and power cables in machines
- Mechanical engineering
- Apparatus construction

Product features

- Resistant to microbes, hydrolysis and almost all mineral oils
- High chemical-resistance to benzols, benzines and other agents listed in the selection table in Appendix T1

Norm references / Approvals

- Core based on VDE 0812/0285
- Outer sheath based on VDE 0250/0285

Product make-up

- Fine-wire strand made of bare copper wires
- Core insulation: Special PVC P8/1
- Use of talcum
- Outer sheath made of special polyurethane
- Length of straight ends: 1st end = 200 mm, 2nd end = 600 mm
- Versions without the mandatory LAPP designation, but with other solid lengths, end lengths and end forms available on request

Technical data



Core identification code

Black with white numbers acc. to VDE 0293-1



Specific insulation resistance

> 20 GOhm x cm



Conductor stranding

Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5



Nominal voltage

U_n/U: 300/500 V



Test voltage

3000 V



Protective conductor

G = with GN-YE protective conductor
X = without protective conductor



Temperature range

Flexible use: +5°C to +50°C

| Article number | Number of cores and mm ² per conductor | Spiral length, extended (mm) | Spiral length, unextended (mm) | Cable diameter (mm) | Spiral outer diameter (mm) | Copper index kg/1.000 pieces |
|----------------|---|------------------------------|--------------------------------|---------------------|----------------------------|------------------------------|
| 70002622 | 2 X 0.75 | 1,500 | 500 | 5.4 | 19.5 | 64.8 |
| 70002623 | 2 X 0.75 | 3,000 | 1,000 | 5.4 | 19.5 | 123.8 |
| 70002624 | 2 X 0.75 | 4,500 | 1,500 | 5.4 | 19.5 | 170.6 |
| 70002625 | 2 X 0.75 | 6,000 | 2,000 | 5.4 | 19.5 | 234.7 |
| 70002628 | 3 G 0.75 | 1,500 | 500 | 5.7 | 20.0 | 101.5 |
| 70002629 | 3 G 0.75 | 3,000 | 1,000 | 5.7 | 20.0 | 172.8 |
| 70002630 | 3 G 0.75 | 4,500 | 1,500 | 5.7 | 20.0 | 261.3 |
| 70002631 | 3 G 0.75 | 6,000 | 2,000 | 5.7 | 20.0 | 326.1 |
| 70002634 | 4 G 0.75 | 1,500 | 500 | 6.2 | 21.0 | 123.8 |
| 70002635 | 4 G 0.75 | 3,000 | 1,000 | 6.2 | 21.0 | 221.7 |
| 70002636 | 4 G 0.75 | 4,500 | 1,500 | 6.2 | 21.0 | 129.6 |
| 70002637 | 4 G 0.75 | 6,000 | 2,000 | 6.2 | 21.0 | 453.6 |
| 70002640 | 5 G 0.75 | 1,500 | 500 | 6.7 | 24.0 | 154.8 |
| 70002641 | 5 G 0.75 | 3,000 | 1,000 | 6.7 | 24.0 | 306.0 |
| 70002642 | 5 G 0.75 | 4,500 | 1,500 | 6.7 | 24.0 | 439.2 |
| 70002643 | 5 G 0.75 | 6,000 | 2,000 | 6.7 | 24.0 | 594.0 |
| 70002726 | 7 G 0.75 | 1,500 | 500 | 7.3 | 27.0 | 245.0 |
| 70002727 | 7 G 0.75 | 3,000 | 1,000 | 7.3 | 27.0 | 525.0 |
| 70002728 | 7 G 0.75 | 4,500 | 1,500 | 7.3 | 27.0 | 660.0 |
| 70002729 | 7 G 0.75 | 6,000 | 2,000 | 7.3 | 27.0 | 1,025.0 |
| 70002731 | 12 G 0.75 | 1,500 | 500 | 9.9 | 35.0 | 371.5 |
| 70002732 | 12 G 0.75 | 3,000 | 1,000 | 9.9 | 35.0 | 682.5 |
| 70002734 | 18 G 0.75 | 1,500 | 500 | 11.7 | 40.0 | 699.8 |
| 70002735 | 18 G 0.75 | 3,000 | 1,000 | 11.7 | 40.0 | 1,127.5 |
| 70002646 | 2 X 1 | 1,500 | 500 | 5.7 | 20.0 | 88.3 |
| 70002647 | 2 X 1 | 3,000 | 1,000 | 5.7 | 20.0 | 161.2 |
| 70002648 | 2 X 1 | 4,500 | 1,500 | 5.7 | 20.0 | 230.4 |
| 70002649 | 2 X 1 | 6,000 | 2,000 | 5.7 | 20.0 | 272.6 |
| 70002651 | 3 G 1 | 1,500 | 500 | 6.0 | 21.0 | 129.6 |
| 70002652 | 3 G 1 | 3,000 | 1,000 | 6.0 | 21.0 | 244.8 |
| 70002653 | 3 G 1 | 4,500 | 1,500 | 6.0 | 21.0 | 350.5 |
| 70002654 | 3 G 1 | 6,000 | 2,000 | 6.0 | 21.0 | 417.6 |
| 70002656 | 4 G 1 | 1,500 | 500 | 6.5 | 24.0 | 176.6 |
| 70002657 | 4 G 1 | 3,000 | 1,000 | 6.5 | 24.0 | 322.5 |
| 70002658 | 4 G 1 | 4,500 | 1,500 | 6.5 | 24.0 | 503.0 |
| 70002659 | 4 G 1 | 6,000 | 2,000 | 6.5 | 24.0 | 587.5 |
| 70002661 | 5 G 1 | 1,500 | 500 | 7.1 | 25.0 | 220.8 |
| 70002662 | 5 G 1 | 3,000 | 1,000 | 7.1 | 25.0 | 408.0 |
| 70002663 | 5 G 1 | 4,500 | 1,500 | 7.1 | 25.0 | 600.0 |
| 70002664 | 5 G 1 | 6,000 | 2,000 | 7.1 | 25.0 | 744.0 |
| 70002666 | 7 G 1 | 1,250 | 500 | 8.0 | 30.0 | 328.3 |
| 70002667 | 7 G 1 | 2,500 | 1,000 | 8.0 | 30.0 | 562.8 |
| 70002668 | 7 G 1 | 3,750 | 1,500 | 8.0 | 30.0 | 770.5 |
| 70002669 | 7 G 1 | 5,000 | 2,000 | 8.0 | 30.0 | 1,175.1 |

| Article number | Number of cores and mm ² per conductor | Spiral length, extended (mm) | Spiral length, unextended (mm) | Cable diameter (mm) | Spiral outer diameter (mm) | Copper index kg/1.000 pieces |
|----------------|---|------------------------------|--------------------------------|---------------------|----------------------------|------------------------------|
| 70002670 | 12 G 1 | 1,500 | 500 | 10.5 | 37.0 | 598.0 |
| 70002671 | 12 G 1 | 3,000 | 1,000 | 10.5 | 37.0 | 1,012.0 |
| 70002672 | 18 G 1 | 1,500 | 500 | 12.7 | 45.0 | 891.0 |
| 70002673 | 18 G 1 | 3,000 | 1,000 | 12.7 | 45.0 | 1,402.5 |
| 70002681 | 2 X 1.5 | 1,500 | 500 | 6.3 | 23.0 | 142.1 |
| 70002682 | 2 X 1.5 | 3,000 | 1,000 | 6.3 | 23.0 | 266.8 |
| 70002683 | 2 X 1.5 | 4,500 | 1,500 | 6.3 | 23.0 | 379.9 |
| 70002684 | 2 X 1.5 | 6,000 | 2,000 | 6.3 | 23.0 | 493.0 |
| 70002687 | 3 G 1.5 | 1,500 | 500 | 6.7 | 24.0 | 210.7 |
| 70002688 | 3 G 1.5 | 3,000 | 1,000 | 6.7 | 24.0 | 365.5 |
| 70002689 | 3 G 1.5 | 4,500 | 1,500 | 6.7 | 24.0 | 498.8 |
| 70002690 | 3 G 1.5 | 6,000 | 2,000 | 6.7 | 24.0 | 662.2 |
| 70002699 | 5 G 1.5 | 1,250 | 500 | 8.1 | 30.0 | 338.4 |
| 70002700 | 5 G 1.5 | 2,500 | 1,000 | 8.1 | 30.0 | 597.6 |
| 70002701 | 5 G 1.5 | 3,750 | 1,500 | 8.1 | 30.0 | 864.0 |
| 70002702 | 5 G 1.5 | 5,000 | 2,000 | 8.1 | 30.0 | 1,173.6 |
| 70002705 | 7 G 1.5 | 1,250 | 500 | 8.9 | 31.0 | 454.5 |
| 70002706 | 7 G 1.5 | 2,500 | 1,000 | 8.9 | 31.0 | 808.0 |
| 70002707 | 7 G 1.5 | 3,750 | 1,500 | 8.9 | 31.0 | 1,111.0 |
| 70002708 | 7 G 1.5 | 5,000 | 2,000 | 8.9 | 31.0 | 1,504.9 |
| 70002709 | 12 G 1.5 | 1,500 | 500 | 12.0 | 46.0 | 968.8 |
| 70002710 | 12 G 1.5 | 3,000 | 1,000 | 12.0 | 46.0 | 1,660.8 |
| 70002711 | 18 G 1.5 | 1,500 | 500 | 13.4 | 52.0 | 1,261.4 |
| 70002712 | 18 G 1.5 | 3,000 | 1,000 | 13.4 | 52.0 | 2,261.0 |
| 70002716 | 3 G 2.5 | 1,250 | 500 | 8.1 | 28.5 | 338.4 |
| 70002717 | 3 G 2.5 | 2,500 | 1,000 | 8.1 | 28.5 | 640.8 |
| 70002718 | 3 G 2.5 | 3,750 | 1,500 | 8.1 | 28.5 | 885.6 |
| 70002719 | 3 G 2.5 | 5,000 | 2,000 | 8.1 | 28.5 | 1,072.8 |
| 70002721 | 5 G 2.5 | 1,250 | 500 | 10.0 | 37.0 | 624.0 |
| 70002722 | 5 G 2.5 | 2,500 | 1,000 | 10.0 | 37.0 | 1,068.0 |
| 70002723 | 5 G 2.5 | 3,750 | 1,500 | 10.0 | 37.0 | 1,489.2 |
| 70002724 | 5 G 2.5 | 5,000 | 2,000 | 10.0 | 37.0 | 1,980.0 |

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
 Copper price basis: EUR 150/100kg. Refer to catalogue appendix T 17 for the definition and calculation of copper-related surcharges.
 Photographs are not to scale and do not represent detailed images of the respective products.
 Versions without the mandatory LAPP designation, but with other solid lengths, end lengths and end forms available on request

- Similar products**
- ÖLFLEX® SPIRAL 540 P refer to page 225

- Accessories**
- SKINTOP® CLICK System refer to page 657