
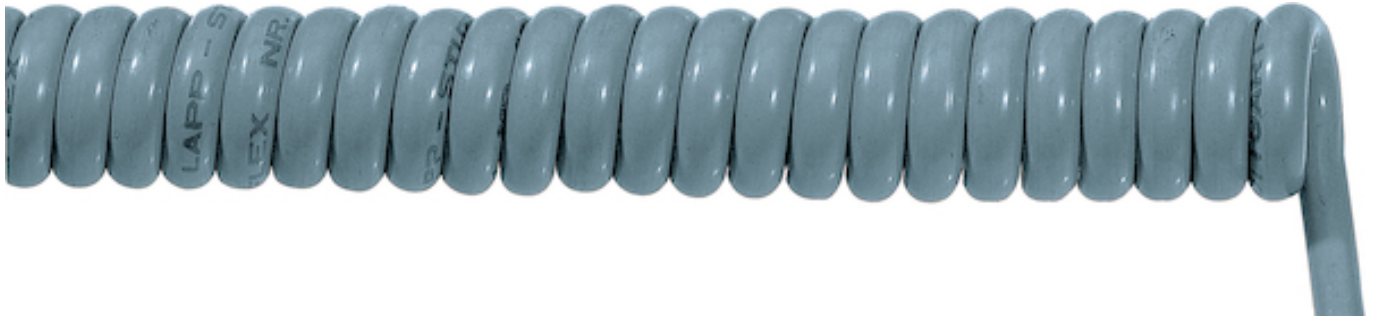


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| U.I. Lapp GmbH | PRODUCT INFORMATION |  |
| | ÖLFLEX® SPIRAL 400 P | 12.09.2012 |

PUR spiral cable with increased chemical resistance

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



Info

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

Application range

As control and power cables in machines
Mechanical engineering
Apparatus construction

Design

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


Product features

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

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. Refer to Appendix T17 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

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| Product Management | Document: LAPP_PRO45EN.pdf | 1 / 5 |
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Technical Data

| | |
|---------------------------------|---|
| Core identification code: | Black with white numbers acc. to VDE 0293 |
| Based on: | Core: VDE 0812/0281 Outer sheath: VDE 0250/0282 |
| Specific insulation resistance: | > 20 GOhm x cm |
| Conductor stranding: | Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5 |
| Nominal voltage: | U ₀ /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 |

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| Product Management | Document: LAPP_PRO45EN.pdf | 2 / 5 |
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ÖLFLEX® SPIRAL 400 P

12.09.2012

| Part 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 | 1500 | 500 | 5.4 | 19.5 | 64.8 |
| 70002623 | 2 X 0,75 | 3000 | 1000 | 5.4 | 19.5 | 123.84 |
| 70002624 | 2 X 0,75 | 4500 | 1500 | 5.4 | 19.5 | 170.64 |
| 70002625 | 2 X 0,75 | 6000 | 2000 | 5.4 | 19.5 | 234.72 |
| 70002628 | 3 G 0,75 | 1500 | 500 | 5.7 | 20.0 | 101.52 |
| 70002629 | 3 G 0,75 | 3000 | 1000 | 5.7 | 20.0 | 172.8 |
| 70002630 | 3 G 0,75 | 4500 | 1500 | 5.7 | 20.0 | 261.36 |
| 70002631 | 3 G 0,75 | 6000 | 2000 | 5.7 | 20.0 | 326.16 |
| 70002634 | 4 G 0,75 | 1500 | 500 | 6.2 | 21.0 | 123.84 |
| 70002635 | 4 G 0,75 | 3000 | 1000 | 6.2 | 21.0 | 221.76 |
| 70002636 | 4 G 0,75 | 4500 | 1500 | 6.2 | 21.0 | 129.6 |
| 70002637 | 4 G 0,75 | 6000 | 2000 | 6.2 | 21.0 | 453.6 |
| 70002640 | 5 G 0,75 | 1500 | 500 | 6.7 | 24.0 | 154.8 |
| 70002641 | 5 G 0,75 | 3000 | 1000 | 6.7 | 24.0 | 306.0 |
| 70002642 | 5 G 0,75 | 4500 | 1500 | 6.7 | 24.0 | 439.2 |
| 70002643 | 5 G 0,75 | 6000 | 2000 | 6.7 | 24.0 | 594.0 |
| 70002726 | 7 G 0,75 | 1500 | 500 | 7.3 | 27.0 | 245.0 |
| 70002727 | 7 G 0,75 | 3000 | 1000 | 7.3 | 27.0 | 525.0 |
| 70002728 | 7 G 0,75 | 4500 | 1500 | 7.3 | 27.0 | 660.0 |
| 70002729 | 7 G 0,75 | 6000 | 2000 | 7.3 | 27.0 | 1025.0 |
| 70002731 | 12 G 0,75 | 1500 | 500 | 9.9 | 35.0 | 371.52 |
| 70002732 | 12 G 0,75 | 3000 | 1000 | 9.9 | 35.0 | 682.56 |
| 70002734 | 18 G 0,75 | 1500 | 500 | 11.7 | 40.0 | 699.84 |
| 70002735 | 18 G 0,75 | 3000 | 1000 | 11.7 | 40.0 | 1127.52 |
| 70002646 | 2 X 1 | 1500 | 500 | 5.7 | 20.0 | 88.32 |
| 70002647 | 2 X 1 | 3000 | 1000 | 5.7 | 20.0 | 161.28 |
| 70002648 | 2 X 1 | 4500 | 1500 | 5.7 | 20.0 | 230.4 |
| 70002649 | 2 X 1 | 6000 | 2000 | 5.7 | 20.0 | 272.64 |
| 70002651 | 3 G 1 | 1500 | 500 | 6.0 | 21.0 | 129.6 |
| 70002652 | 3 G 1 | 3000 | 1000 | 6.0 | 21.0 | 244.8 |
| 70002653 | 3 G 1 | 4500 | 1500 | 6.0 | 21.0 | 350.5 |
| 70002654 | 3 G 1 | 6000 | 2000 | 6.0 | 21.0 | 417.6 |
| 70002656 | 4 G 1 | 1500 | 500 | 6.5 | 24.0 | 176.64 |
| 70002657 | 4 G 1 | 3000 | 1000 | 6.5 | 24.0 | 322.56 |

ÖLFLEX® SPIRAL 400 P

12.09.2012

| Part 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 |
|-------------|---|------------------------------|--------------------------------|---------------------|----------------------------|------------------------------|
| 70002658 | 4 G 1 | 4500 | 1500 | 6.5 | 24.0 | 503.04 |
| 70002659 | 4 G 1 | 6000 | 2000 | 6.5 | 24.0 | 587.52 |
| 70002661 | 5 G 1 | 1500 | 500 | 7.1 | 25.0 | 220.8 |
| 70002662 | 5 G 1 | 3000 | 1000 | 7.1 | 25.0 | 408.0 |
| 70002663 | 5 G 1 | 4500 | 1500 | 7.1 | 25.0 | 600.0 |
| 70002664 | 5 G 1 | 6000 | 2000 | 7.1 | 25.0 | 744.0 |
| 70002666 | 7 G 1 | 1250 | 500 | 8.0 | 30.0 | 328.3 |
| 70002667 | 7 G 1 | 2500 | 1000 | 8.0 | 30.0 | 562.8 |
| 70002668 | 7 G 1 | 3750 | 1500 | 8.0 | 30.0 | 770.5 |
| 70002669 | 7 G 1 | 5000 | 2000 | 8.0 | 30.0 | 1175.18 |
| 70002670 | 12 G 1 | 1500 | 500 | 10.5 | 37.0 | 598.0 |
| 70002671 | 12 G 1 | 3000 | 1000 | 10.5 | 37.0 | 1012.0 |
| 70002672 | 18 G 1 | 1500 | 500 | 12.7 | 45.0 | 891.0 |
| 70002673 | 18 G 1 | 3000 | 1000 | 12.7 | 45.0 | 1402.5 |
| 70002681 | 2 X 1,5 | 1500 | 500 | 6.3 | 23.0 | 142.1 |
| 70002682 | 2 X 1,5 | 3000 | 1000 | 6.3 | 23.0 | 266.8 |
| 70002683 | 2 X 1,5 | 4500 | 1500 | 6.3 | 23.0 | 379.9 |
| 70002684 | 2 X 1,5 | 6000 | 2000 | 6.3 | 23.0 | 493.0 |
| 70002687 | 3 G 1,5 | 1500 | 500 | 6.7 | 24.0 | 210.7 |
| 70002688 | 3 G 1,5 | 3000 | 1000 | 6.7 | 24.0 | 365.5 |
| 70002689 | 3 G 1,5 | 4500 | 1500 | 6.7 | 24.0 | 498.8 |
| 70002690 | 3 G 1,5 | 6000 | 2000 | 6.7 | 24.0 | 662.2 |
| 70002699 | 5 G 1,5 | 1250 | 500 | 8.1 | 30.0 | 338.4 |
| 70002700 | 5 G 1,5 | 2500 | 1000 | 8.1 | 30.0 | 597.6 |
| 70002701 | 5 G 1,5 | 3750 | 1500 | 8.1 | 30.0 | 864.0 |
| 70002702 | 5 G 1,5 | 5000 | 2000 | 8.1 | 30.0 | 1173.6 |
| 70002705 | 7 G 1,5 | 1250 | 500 | 8.9 | 31.0 | 454.5 |
| 70002706 | 7 G 1,5 | 2500 | 1000 | 8.9 | 31.0 | 808.0 |
| 70002707 | 7 G 1,5 | 3750 | 1500 | 8.9 | 31.0 | 1111.0 |
| 70002708 | 7 G 1,5 | 5000 | 2000 | 8.9 | 31.0 | 1504.9 |
| 70002709 | 12 G 1,5 | 1500 | 500 | 12.0 | 46.0 | 968.8 |
| 70002710 | 12 G 1,5 | 3000 | 1000 | 12.0 | 46.0 | 1660.8 |
| 70002711 | 18 G 1,5 | 1500 | 500 | 13.4 | 52.0 | 1261.4 |
| 70002712 | 18 G 1,5 | 3000 | 1000 | 13.4 | 52.0 | 2261.0 |



ÖLFLEX® SPIRAL 400 P

12.09.2012

| Part number | Number of cores and mm² per conductor | Spiral length/ extended (mm) | Spiral length/ unextended (mm) | Cable diameter (mm) | Spiral outer diameter (mm) | Copper index kg/1.000 pieces |
|-------------|---------------------------------------|------------------------------|--------------------------------|---------------------|----------------------------|------------------------------|
| 70002716 | 3 G 2,5 | 1250 | 500 | 8.1 | 28.5 | 338.4 |
| 70002717 | 3 G 2,5 | 2500 | 1000 | 8.1 | 28.5 | 640.8 |
| 70002718 | 3 G 2,5 | 3750 | 1500 | 8.1 | 28.5 | 885.6 |
| 70002719 | 3 G 2,5 | 5000 | 2000 | 8.1 | 28.5 | 1072.8 |
| 70002721 | 5 G 2,5 | 1250 | 500 | 10.0 | 37.0 | 624.0 |
| 70002722 | 5 G 2,5 | 2500 | 1000 | 10.0 | 37.0 | 1068.0 |
| 70002723 | 5 G 2,5 | 3750 | 1500 | 10.0 | 37.0 | 1489.2 |
| 70002724 | 5 G 2,5 | 5000 | 2000 | 10.0 | 37.0 | 1980.0 |