

## ÖLFLEX® SPIRAL 400 P

PUR spiral cable with increased chemical resistance

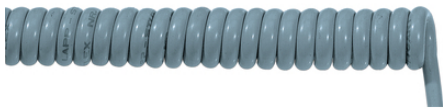
ÖLFLEX® SPIRAL 400 P - PUR spiral cable, chemical-, oil- and abrasion-resistant control cable for use in machines, plant construction and toolbuilding

### Info

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

High mechanical strength

New: Now available in cross section 0,5 mm<sup>2</sup>



Oil-resistant



Good chemical resistance

### Benefits

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

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

### 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, benzenes and other agents listed in the selection table in Appendix T1

Abrasion and notch-resistant

### Norm references / Approvals

Last Update (14.03.2019)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

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

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## ÖLFLEX® SPIRAL 400 P

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

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Classification ETIM 5:    | ETIM 5.0 Class-ID: EC000247<br>ETIM 5.0 Class-Description: Spiralized cable |
| Classification ETIM 6:    | ETIM 6.0 Class-ID: EC000247<br>ETIM 6.0 Class-Description: Spiralized 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                  |
| Nominal voltage:          | U0/U: 300/500 V                                                             |
| Test voltage:             | 3000 V                                                                      |
| Protective conductor:     | G = with GN-YE protective conductor<br>X = without protective conductor     |
| Temperature range:        | Flexible use: +5°C to +50°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.

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.

Versions without the mandatory LAPP designation, but with other solid lengths, end lengths and end forms available on request

# ÖLFLEX® SPIRAL 400 P

| Article number | Number of cores and mm <sup>2</sup> per conductor | Spiral length, extended (mm) | Spiral length, unextended (mm) | Cable diameter (mm) | Spiral outer diameter (mm) |
|----------------|---------------------------------------------------|------------------------------|--------------------------------|---------------------|----------------------------|
| 70002598       | 2 X 0.5                                           | 1500                         | 500                            | 5.5                 | 20                         |
| 70002599       | 2 X 0.5                                           | 3000                         | 1000                           | 5.5                 | 20                         |
| 70002600       | 2 X 0.5                                           | 4500                         | 1500                           | 5.5                 | 20                         |
| 70002601       | 2 X 0.5                                           | 6000                         | 2000                           | 5.5                 | 20                         |
| 70002602       | 3 G 0.5                                           | 1500                         | 500                            | 5.8                 | 21                         |
| 70002603       | 3 G 0.5                                           | 3000                         | 1000                           | 5.8                 | 21                         |
| 70002604       | 3 G 0.5                                           | 4500                         | 1500                           | 5.8                 | 21                         |
| 70002605       | 3 G 0.5                                           | 6000                         | 2000                           | 5.8                 | 21                         |
| 70002606       | 4 G 0.5                                           | 1500                         | 500                            | 6.2                 | 21                         |
| 70002607       | 4 G 0.5                                           | 3000                         | 1000                           | 6.2                 | 21                         |
| 70002608       | 4 G 0.5                                           | 4500                         | 1500                           | 6.2                 | 21                         |
| 70002609       | 4 G 0.5                                           | 6000                         | 2000                           | 6.2                 | 21                         |
| 70002610       | 5 G 0.5                                           | 1500                         | 500                            | 6.7                 | 25                         |
| 70002611       | 5 G 0.5                                           | 3000                         | 1000                           | 6.7                 | 25                         |
| 70002612       | 5 G 0.5                                           | 4500                         | 1500                           | 6.7                 | 25                         |
| 70002613       | 5 G 0.5                                           | 6000                         | 2000                           | 6.7                 | 25                         |
| 70002614       | 7 G 0.5                                           | 1500                         | 500                            | 7.6                 | 29                         |
| 70002615       | 7 G 0.5                                           | 3000                         | 1000                           | 7.6                 | 29                         |
| 70002616       | 7 G 0.5                                           | 4500                         | 1500                           | 7.6                 | 29                         |
| 70002617       | 7 G 0.5                                           | 6000                         | 2000                           | 7.6                 | 29                         |
| 70002618       | 12 G 0.5                                          | 1500                         | 500                            | 9.5                 | 32                         |
| 70002619       | 12 G 0.5                                          | 3000                         | 1000                           | 9.5                 | 32                         |
| 70002620       | 18 G 0.5                                          | 1500                         | 500                            | 11                  | 42                         |
| 70002621       | 18 G 0.5                                          | 3000                         | 1000                           | 11                  | 42                         |
| 70002622       | 2 X 0.75                                          | 1500                         | 500                            | 5.6                 | 19.5                       |
| 70002623       | 2 X 0.75                                          | 3000                         | 1000                           | 5.6                 | 19.5                       |
| 70002624       | 2 X 0.75                                          | 4500                         | 1500                           | 5.6                 | 19.5                       |
| 70002625       | 2 X 0.75                                          | 6000                         | 2000                           | 5.6                 | 19.5                       |
| 70002628       | 3 G 0.75                                          | 1500                         | 500                            | 5.9                 | 20                         |
| 70002629       | 3 G 0.75                                          | 3000                         | 1000                           | 5.9                 | 20                         |
| 70002630       | 3 G 0.75                                          | 4500                         | 1500                           | 5.9                 | 20                         |
| 70002631       | 3 G 0.75                                          | 6000                         | 2000                           | 5.9                 | 20                         |
| 70002634       | 4 G 0.75                                          | 1500                         | 500                            | 6.4                 | 21                         |
| 70002635       | 4 G 0.75                                          | 3000                         | 1000                           | 6.4                 | 21                         |
|                |                                                   |                              |                                |                     |                            |

# ÖLFLEX® SPIRAL 400 P

| Article number | Number of cores and mm <sup>2</sup> per conductor | Spiral length, extended (mm) | Spiral length, unextended (mm) | Cable diameter (mm) | Spiral outer diameter (mm) |
|----------------|---------------------------------------------------|------------------------------|--------------------------------|---------------------|----------------------------|
| 70002636       | 4 G 0.75                                          | 4500                         | 1500                           | 6.4                 | 21                         |
| 70002637       | 4 G 0.75                                          | 6000                         | 2000                           | 6.4                 | 21                         |
| 70002640       | 5 G 0.75                                          | 1500                         | 500                            | 6.9                 | 24                         |
| 70002641       | 5 G 0.75                                          | 3000                         | 1000                           | 6.9                 | 24                         |
| 70002642       | 5 G 0.75                                          | 4500                         | 1500                           | 6.9                 | 24                         |
| 70002643       | 5 G 0.75                                          | 6000                         | 2000                           | 6.9                 | 24                         |
| 70002726       | 7 G 0.75                                          | 1500                         | 500                            | 7.5                 | 27                         |
| 70002727       | 7 G 0.75                                          | 3000                         | 1000                           | 7.5                 | 27                         |
| 70002728       | 7 G 0.75                                          | 4500                         | 1500                           | 7.5                 | 27                         |
| 70002729       | 7 G 0.75                                          | 6000                         | 2000                           | 7.5                 | 27                         |
| 70002731       | 12 G 0.75                                         | 1500                         | 500                            | 9.9                 | 35                         |
| 70002732       | 12 G 0.75                                         | 3000                         | 1000                           | 9.9                 | 35                         |
| 70002734       | 18 G 0.75                                         | 1500                         | 500                            | 11.9                | 40                         |
| 70002735       | 18 G 0.75                                         | 3000                         | 1000                           | 11.9                | 40                         |
| 70002646       | 2 X 1.0                                           | 1500                         | 500                            | 5.9                 | 20                         |
| 70002647       | 2 X 1.0                                           | 3000                         | 1000                           | 5.9                 | 20                         |
| 70002648       | 2 X 1.0                                           | 4500                         | 1500                           | 5.9                 | 20                         |
| 70002649       | 2 X 1.0                                           | 6000                         | 2000                           | 5.9                 | 20                         |
| 70002651       | 3 G 1.0                                           | 1500                         | 500                            | 6.2                 | 21                         |
| 70002652       | 3 G 1.0                                           | 3000                         | 1000                           | 6.2                 | 21                         |
| 70002653       | 3 G 1.0                                           | 4500                         | 1500                           | 6.2                 | 21                         |
| 70002654       | 3 G 1.0                                           | 6000                         | 2000                           | 6.2                 | 21                         |
| 70002656       | 4 G 1.0                                           | 1500                         | 500                            | 6.7                 | 24                         |
| 70002657       | 4 G 1.0                                           | 3000                         | 1000                           | 6.7                 | 24                         |
| 70002658       | 4 G 1.0                                           | 4500                         | 1500                           | 6.7                 | 24                         |
| 70002659       | 4 G 1.0                                           | 6000                         | 2000                           | 6.7                 | 24                         |
| 70002661       | 5 G 1.0                                           | 1500                         | 500                            | 7.3                 | 25                         |
| 70002662       | 5 G 1.0                                           | 3000                         | 1000                           | 7.3                 | 25                         |
| 70002663       | 5 G 1.0                                           | 4500                         | 1500                           | 7.3                 | 25                         |
| 70002664       | 5 G 1.0                                           | 6000                         | 2000                           | 7.3                 | 25                         |
| 70002666       | 7 G 1.0                                           | 1250                         | 500                            | 8.2                 | 30                         |
| 70002667       | 7 G 1.0                                           | 2500                         | 1000                           | 8.2                 | 30                         |
| 70002668       | 7 G 1.0                                           | 3750                         | 1500                           | 8.2                 | 30                         |
| 70002669       | 7 G 1.0                                           | 5000                         | 2000                           | 8.2                 | 30                         |
|                |                                                   |                              |                                |                     |                            |

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| Article number | Number of cores and mm <sup>2</sup> per conductor | Spiral length, extended (mm) | Spiral length, unextended (mm) | Cable diameter (mm) | Spiral outer diameter (mm) |
|----------------|---------------------------------------------------|------------------------------|--------------------------------|---------------------|----------------------------|
| 70002670       | 12 G 1.0                                          | 1500                         | 500                            | 10.9                | 37                         |
| 70002671       | 12 G 1.0                                          | 3000                         | 1000                           | 10.9                | 37                         |
| 70002672       | 18 G 1.0                                          | 1500                         | 500                            | 12.7                | 45                         |
| 70002673       | 18 G 1.0                                          | 3000                         | 1000                           | 12.7                | 45                         |
| 70002681       | 2 X 1.5                                           | 1500                         | 500                            | 6.5                 | 23                         |
| 70002682       | 2 X 1.5                                           | 3000                         | 1000                           | 6.5                 | 23                         |
| 70002683       | 2 X 1.5                                           | 4500                         | 1500                           | 6.5                 | 23                         |
| 70002684       | 2 X 1.5                                           | 6000                         | 2000                           | 6.5                 | 23                         |
| 70002687       | 3 G 1.5                                           | 1500                         | 500                            | 6.9                 | 24                         |
| 70002688       | 3 G 1.5                                           | 3000                         | 1000                           | 6.9                 | 24                         |
| 70002689       | 3 G 1.5                                           | 4500                         | 1500                           | 6.9                 | 24                         |
| 70002690       | 3 G 1.5                                           | 6000                         | 2000                           | 6.9                 | 24                         |
| 70002699       | 5 G 1.5                                           | 1250                         | 500                            | 8.3                 | 30                         |
| 70002700       | 5 G 1.5                                           | 2500                         | 1000                           | 8.3                 | 30                         |
| 70002701       | 5 G 1.5                                           | 3750                         | 1500                           | 8.3                 | 30                         |
| 70002702       | 5 G 1.5                                           | 5000                         | 2000                           | 8.3                 | 30                         |
| 70002705       | 7 G 1.5                                           | 1250                         | 500                            | 9.1                 | 31                         |
| 70002706       | 7 G 1.5                                           | 2500                         | 1000                           | 9.1                 | 31                         |
| 70002707       | 7 G 1.5                                           | 3750                         | 1500                           | 9.1                 | 31                         |
| 70002708       | 7 G 1.5                                           | 5000                         | 2000                           | 9.1                 | 31                         |
| 70002709       | 12 G 1.5                                          | 1500                         | 500                            | 12.2                | 46                         |
| 70002710       | 12 G 1.5                                          | 3000                         | 1000                           | 12.2                | 46                         |
| 70002711       | 18 G 1.5                                          | 1500                         | 500                            | 14.2                | 52                         |
| 70002712       | 18 G 1.5                                          | 3000                         | 1000                           | 14.2                | 52                         |
| 70002716       | 3 G 2.5                                           | 1250                         | 500                            | 8.3                 | 28.5                       |
| 70002717       | 3 G 2.5                                           | 2500                         | 1000                           | 8.3                 | 28.5                       |
| 70002718       | 3 G 2.5                                           | 3750                         | 1500                           | 8.3                 | 28.5                       |
| 70002719       | 3 G 2.5                                           | 5000                         | 2000                           | 8.3                 | 28.5                       |
| 70002721       | 5 G 2.5                                           | 1250                         | 500                            | 10                  | 37                         |
| 70002722       | 5 G 2.5                                           | 2500                         | 1000                           | 10                  | 37                         |
| 70002723       | 5 G 2.5                                           | 3750                         | 1500                           | 10                  | 37                         |
| 70002724       | 5 G 2.5                                           | 5000                         | 2000                           | 10                  | 37                         |