
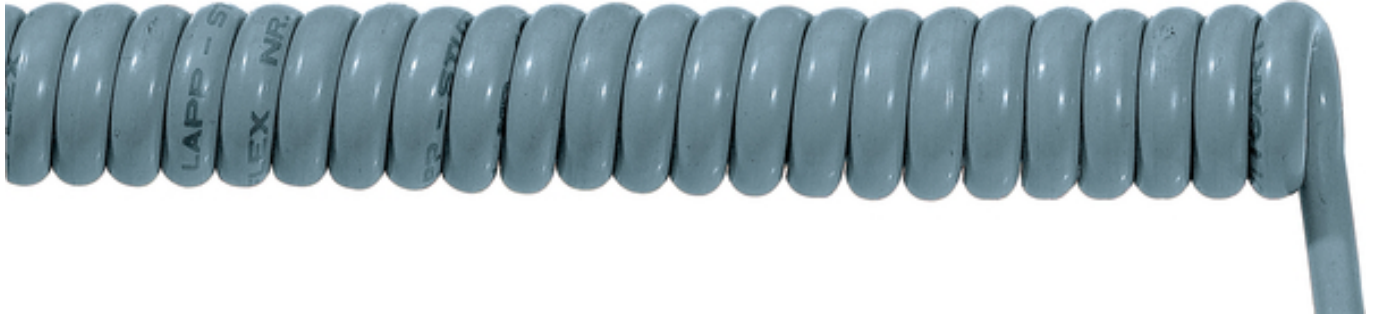


U.I. Lapp GmbH	<b>PRODUCT INFORMATION</b>	
<b>ÖLFLEX® SPIRAL 400 P</b>		14.11.2013

PUR spiral cable with increased chemical resistance  
High restoring forces and extension lengths up to 3 times the unextended spiral length



Good chemical resistance



Oil-resistant

#### 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

#### Norm references / Approvals

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


#### 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 catalogue 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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**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 <sub>0</sub> /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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## ÖLFLEX® SPIRAL 400 P

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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
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

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Part 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)	Copper index kg/1.000 pieces
70002657	4 G 1	3000	1000	6.5	24.0	322.56
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



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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
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
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