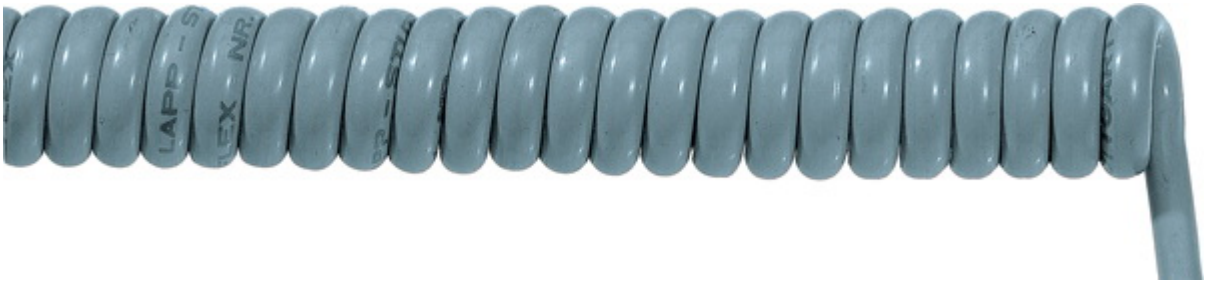
PUR spiral cable with increased chemical resistance

Product Description

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



CE RoHS

Application range

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

Benefits

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

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

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
U0/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 List

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/km)
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
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
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

Footnote:

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