


U.I. Lapp GmbH	PRODUCT INFORMATION	
ÖLFLEX® SPIRAL 540 P		05.11.2015

Robust, halogen-free PUR spiral cable with high restoring forces
 Extension lengths of up to 3.5 times the unextended spiral length, high recoiling forces
 The signal colour of the outer sheath increases safety and visual perception
 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
 Wide temperature range for applications in harsh climatic environments



Suitable for outdoor use



Good chemical resistance



Single halogen-free cable



Cold-resistant



Mechanical resistance



Oil-resistant


Info

High restoring forces
 Single halogen-free cable
 Voltage class from 1.5 mm² 450/750 V

Application range

Harsh conditions
 Mechanical engineering
 Construction industry
 Medical equipment
 In damp interiors or outdoors

Product Management	Document: LAPP_PRO46EN.pdf	1 / 4
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Product Make-up

Strands of tinned-copper wires

Core insulation: TPE

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

Single halogen-free cable

Good resistance of the outer sheath to cutting and abrasion

High resistance to oil, low temperatures, microbes and hydrolysis

Flexible down to -30 °C

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100 kg. 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

Technical Data

Core identification code:	Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9 From 6 cores: black with white numbers
Conductor stranding:	Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
Nominal voltage:	0.75 - 1 mm ² : U ₀ /U: 300/500 Vac As from 1.5 mm ² : U ₀ /U = 450/750 Vac
Test voltage:	3000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Flexible use: -30 °C to +50 °C

Product Management	Document: LAPP_PRO46EN.pdf	2 / 4
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ÖLFLEX® SPIRAL 540 P

05.11.2015

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)
U ₀ /U: 300/500 V					
73220107	2 X 0,75	1000	300	6.6	23.0
73220108	2 X 0,75	2000	600	6.6	23.0
73220109	2 X 0,75	3500	1000	6.6	23.0
73220110	2 X 0,75	5000	1500	6.6	23.0
73220111	3 G 0,75	1000	300	7.0	24.0
73220112	3 G 0,75	2000	600	7.0	24.0
73220113	3 G 0,75	3500	1000	7.0	24.0
73220114	3 G 0,75	5000	1500	7.0	24.0
71220115	4 G 0,75	1000	300	7.6	29.0
71220116	4 G 0,75	2000	600	7.6	29.0
71220117	4 G 0,75	3500	1000	7.6	29.0
71220118	4 G 0,75	5000	1500	7.6	29.0
71220119	5 G 0,75	1000	300	8.5	31.0
71220120	5 G 0,75	2000	600	8.5	31.0
71220121	5 G 0,75	3500	1000	8.5	31.0
71220122	5 G 0,75	5000	1500	8.5	31.0
73220123	2 X 1	1000	300	7.0	24.0
73220124	2 X 1	2000	600	7.0	24.0
73220125	2 X 1	3500	1000	7.0	24.0
73220126	2 X 1	5000	1500	7.0	24.0
73220127	3 G 1	1000	300	7.4	29.0
73220128	3 G 1	2000	600	7.4	29.0
73220129	3 G 1	3500	1000	7.4	29.0
73220130	3 G 1	5000	1500	7.4	29.0
71220131	4 G 1	1000	300	8.2	30.0
71220132	4 G 1	2000	600	8.2	30.0
71220133	4 G 1	3500	1000	8.2	30.0
71220134	4 G 1	5000	1500	8.2	30.0
71220135	5 G 1	1000	300	9.0	32.0
71220136	5 G 1	2000	600	9.0	32.0
71220137	5 G 1	3500	1000	9.0	32.0
71220138	5 G 1	5000	1500	9.0	32.0
73220139	7 G 1	1000	350	10.9	40.0

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05.11.2015

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)
73220140	7 G 1	2000	700	10.9	40.0
73220141	7 G 1	3500	1200	10.9	40.0
73220142	7 G 1	5000	1700	10.9	40.0
U ₀ /U: 450/750 V					
73220143	2 X 1,5	1000	300	8.4	31.0
73220144	2 X 1,5	2000	600	8.4	31.0
73220145	2 X 1,5	3500	1000	8.4	31.0
73220146	2 X 1,5	5000	1500	8.4	31.0
73220147	3 G 1,5	1000	300	8.9	32.0
73220148	3 G 1,5	2000	600	8.9	32.0
73220149	3 G 1,5	3500	1000	8.9	32.0
73220150	3 G 1,5	5000	1500	8.9	32.0
71220151	5 G 1,5	1000	350	10.9	40.0
71220152	5 G 1,5	2000	700	10.9	40.0
71220153	5 G 1,5	3500	1200	10.9	40.0
71220154	5 G 1,5	5000	1700	10.9	40.0
73220155	7 G 1,5	1000	350	13.5	52.0
73220156	7 G 1,5	2000	700	13.5	52.0
73220157	7 G 1,5	3500	1200	13.5	52.0
73220158	7 G 1,5	5000	1700	13.5	52.0
73220159	3 G 2,5	1000	350	10.6	40.0
73220160	3 G 2,5	2000	700	10.6	40.0
73220161	3 G 2,5	3500	1200	10.6	40.0
73220162	3 G 2,5	5000	1700	10.6	40.0
71220163	5 G 2,5	1000	350	13.4	51.0
71220164	5 G 2,5	2000	700	13.4	51.0
71220165	5 G 2,5	3500	1200	13.4	51.0
71220166	5 G 2,5	5000	1700	13.4	51.0