ÖLFLEX® SPIRAL 540 P

Robust, halogen-free PUR spiral cable with high restoring forces

ÖLFLEX® SPIRAL 540 P - PUR spiral cable, robust and with high restoring forces, halogen free and oil-resistant power and control cable for machine construction

Info
High restoring forces
Halogen-free
Voltage class from 1.5 mm² 450/750 V



Suitable for outdoor use

Good chemical resistance

Halogen-free

Cold-resistant

Mechanical resistance

Oil-resistant

Benefits
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

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PN 0456 / 02_03.16

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

Product features
UV-resistant (but colour may change after some time)
Halogen-free
Good resistance of the outer sheath to cutting and abrasion
High resistance to oil, low temperatures, microbes and hydrolysis
Flexible down to -30 °C

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

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC000247 ETIM 5.0 Class-Description: Spiralized cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC000247 ETIM 6.0 Class-Description: Spiralized cable
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: U0/U: 300/500 Vac As from 1.5 mm^2: U0/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

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.
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Article number	Number of cores and mm² per conductor	Spiral length, extended (mm)	Spiral length, unextended (mm)	Cable diameter (mm)	Spiral outer diameter (mm)
U0/U: 300/500 V					
73220107	2 X 0.75	1000	300	6.6	23
73220108	2 X 0.75	2000	600	6.6	23
73220109	2 X 0.75	3500	1000	6.6	23
73220110	2 X 0.75	5000	1500	6.6	23
73220111	3 G 0.75	1000	300	7	24
73220112	3 G 0.75	2000	600	7	24
73220113	3 G 0.75	3500	1000	7	24
73220114	3 G 0.75	5000	1500	7	24
71220115	4 G 0.75	1000	300	7.6	29
71220116	4 G 0.75	2000	600	7.6	29
71220117	4 G 0.75	3500	1000	7.6	29
71220118	4 G 0.75	5000	1500	7.6	29
71220119	5 G 0.75	1000	300	8.5	31
71220120	5 G 0.75	2000	600	8.5	31
71220121	5 G 0.75	3500	1000	8.5	31
71220122	5 G 0.75	5000	1500	8.5	31
73220123	2 X 1.0	1000	300	7	24
73220124	2 X 1.0	2000	600	7	24
73220125	2 X 1.0	3500	1000	7	24
73220126	2 X 1.0	5000	1500	7	24
73220127	3 G 1.0	1000	300	7.4	29
73220128	3 G 1.0	2000	600	7.4	29
73220129	3 G 1.0	3500	1000	7.4	29
73220130	3 G 1.0	5000	1500	7.4	29
71220131	4 G 1.0	1000	300	8.2	30
71220132	4 G 1.0	2000	600	8.2	30
71220133	4 G 1.0	3500	1000	8.2	30
71220134	4 G 1.0	5000	1500	8.2	30
71220135	5 G 1.0	1000	300	9	32
71220136	5 G 1.0	2000	600	9	32
71220137	5 G 1.0	3500	1000	9	32
71220138	5 G 1.0	5000	1500	9	32
73220139	7 G 1.0	1000	350	10.9	40

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Article number	Number of cores and mm² per conductor	Spiral length, extended (mm)	Spiral length, unextended (mm)	Cable diameter (mm)	Spiral outer diameter (mm)
73220140	7 G 1.0	2000	700	10.9	40
73220141	7 G 1.0	3500	1200	10.9	40
73220142	7 G 1.0	5000	1700	10.9	40
U0/U: 450/750 V					
73220143	2 X 1.5	1000	300	8.4	31
73220144	2 X 1.5	2000	600	8.4	31
73220145	2 X 1.5	3500	1000	8.4	31
73220146	2 X 1.5	5000	1500	8.4	31
73220147	3 G 1.5	1000	300	8.9	32
73220148	3 G 1.5	2000	600	8.9	32
73220149	3 G 1.5	3500	1000	8.9	32
73220150	3 G 1.5	5000	1500	8.9	32
71220151	5 G 1.5	1000	350	10.9	40
71220152	5 G 1.5	2000	700	10.9	40
71220153	5 G 1.5	3500	1200	10.9	40
71220154	5 G 1.5	5000	1700	10.9	40
73220155	7 G 1.5	1000	350	13.5	52
73220156	7 G 1.5	2000	700	13.5	52
73220157	7 G 1.5	3500	1200	13.5	52
73220158	7 G 1.5	5000	1700	13.5	52
73220159	3 G 2.5	1000	350	10.6	40
73220160	3 G 2.5	2000	700	10.6	40
73220161	3 G 2.5	3500	1200	10.6	40
73220162	3 G 2.5	5000	1700	10.6	40
71220163	5 G 2.5	1000	350	13.4	51
71220164	5 G 2.5	2000	700	13.4	51
71220165	5 G 2.5	3500	1200	13.4	51
71220166	5 G 2.5	5000	1700	13.4	51

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