ÖLFLEX® 540 CP

Screened, cold-flexible, abrasion- and oil-resistant PUR connection cable for harsh conditions - VDE-registered

ÖLFLEX® 540 CP - PUR power cable, screened, VDE certified outdoor use an constructions sites with yellow jacket colour - cold flexible, abrasion resistant, halogen-free

Info
The proven building site cable
Voltage class from 1.5 mm² 450/750 V
VDE-tested and registered



Suitable for outdoor use

Halogen-free

Cold-resistant

Mechanical resistance

Oil-resistant

Interference signals

UV-resistant

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PN 0456 / 02_03.16

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Benefits
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
The signal colour of the outer sheath increases safety and visual perception
VDE-tested characteristics

Application range
Construction machinery
Building sites, camp sites, stage applications
Agricultural equipment
For indoor and outdoor use

Product features
Resistant to oil and drilling fluids according to IEC 61892-4, Appendix D
Abrasion and notch-resistant
Halogen-free and flame-retardant
(IEC 60332-1-2)
Flexible down to -40 °C
EMC-compliant

Norm references / Approvals
VDE reg. no. 6583 up to 1.0 mm^2
VDE reg. no. 6584 from 1.5 mm^2
Suitable for use in fresh water down to 10 m depth at max. water temperature of +40 °C according to EN 50565-2

Product Make-up
Fine-wire, tinned-copper conductor
Core insulation: TPE
Cores twisted together
Inner sheath made of TPE
Tinned copper screen braiding
Outer sheath: PUR – colour yellow

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
Classification ETIM 6:	ETIM 6.0 Class-ID: EC001578 ETIM 6.0 Class-Description: Flexible cable
Core identification code:	Colours according to VDE 0293-308, refer to Appendix T9 (7-cored version number-coded)
Conductor stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius:	Occasional flexing: 12.5 x outer diameter Fixed installation: 6 x outer diameter
Nominal voltage:	Up to 1.0 mm^2: U0/U: 300/500 V From 1.5 mm^2: U0/U: 450/750 V
Test voltage:	3000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor

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Temperature range:	Occasional flexing: -40 °C to +90 °C Fixed installation: -50 °C to +90 °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.
Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).
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	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® 540 CP U0/U: 300/500 V				
0012752	2 X 0.75	8.2	43.9	103
0012753	3 G 0.75	8.5	67.6	140
00127553	5 G 0.75	10.2	75	164
0012757	2 X 1.0	8.5	65.2	138
0012758	3 G 1.0	9.3	74.9	153
00127603	5 G 1.0	10.8	87.2	184
0012761	7 G 1.0	12.6	138.5	281
ÖLFLEX® 540 CP U0/U: 450/750 V				
0012762	2 X 1.5	10.5	67.7	159
0012763	3 G 1.5	11	82.3	181
00127643	4 G 1.5	12	101.8	218
00127653	5 G 1.5	13.7	143.3	287
0012766	7 G 1.5	16.6	195.7	394
0012767	2 X 2.5	11.9	92.4	213
0012768	3 G 2.5	12.5	119	263
00127693	4 G 2.5	14.2	168.2	334
00127703	5 G 2.5	15.7	204.7	416
00127753	4 G 4.0	17	240.1	476
00127783	4 G 6.0	18.4	355.5	634
00127793	5 G 6.0	20.5	452.9	770
00127813	4 G 10.0	22.3	577.8	993
00127823	5 G 10.0	25.3	681.2	1151

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