

## 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 mm<sup>2</sup> 450/750 V  
VDE-tested and registered



Suitable for outdoor use



Halogen-free



Cold-resistant



Mechanical resistance



Oil-resistant



Interference signals



### 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

Last Update (18.12.2019)

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Product Management [www.lappkabel.de](http://www.lappkabel.de)

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02\_03.16

## ÖLFLEX® 540 CP

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

Connection and extension cables  
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<sup>2</sup>  
VDE reg. no. 6584 from 1.5 mm<sup>2</sup>  
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 <sup>2</sup> : U0/U: 300/500 V From 1.5 mm <sup>2</sup> : U0/U: 450/750 V
Test voltage:	3000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Occasional flexing: -40 °C to +90 °C Fixed installation: -50 °C to +90 °C

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### 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](http://www.lappkabel.de/en/cable-standardlengths)

Packaging size: coil  $\leq$  30 kg or  $\leq$  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.

**ÖLFLEX® 540 CP**

Article number	Number of cores and mm <sup>2</sup> 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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