

## ÖLFLEX® 540 P

Cold-flexible, abrasion- and oil-resistant TPE/PUR connection cable for harsh conditions - VDE-registered

ÖLFLEX® 540 P - PUR power cable, 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



UV-resistant



### 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

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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 P

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  
 Resistant to hydrolysis and microbes

### 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  
 Outer sheath: PUR – colour yellow  
 DESIGN: Other sheath colours on request  
 PRINT: Other sheath marking on request

### 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: 10 x outer diameter Fixed installation: 4 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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## ÖLFLEX® 540 P

### 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 P**

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® 540 P U0/U: 300/500 V				
0012452	2 X 0.75	6.2	14.4	52
0012453	3 G 0.75	6.7	21.6	63
00124543	4 G 0.75	7.3	28.8	80
00124553	5 G 0.75	8.2	36	98
0012456	7 G 0.75	9.9	51	126
0012457	2 X 1.0	6.7	19.2	53
0012458	3 G 1.0	7.1	29	72
00124593	4 G 1.0	7.7	38.4	96
00124603	5 G 1.0	8.6	48	117
0012461	7 G 1.0	10.4	68	147
ÖLFLEX® 540 P U0/U: 450/750 V				
0012462	2 X 1.5	8.3	29	82
0012463	3 G 1.5	8.8	43	108
00124643	4 G 1.5	9.8	58	147
00124653	5 G 1.5	10.7	72	164
0012466	7 G 1.5	13.4	101	267
0012467	2 X 2.5	9.7	48	142
0012468	3 G 2.5	10.3	72	161
00124693	4 G 2.5	11.4	96	220
00124703	5 G 2.5	12.7	120	245
0012471	7 G 2.5	15.8	168	321
0012474	3 G 4.0	12.3	115.2	262
00124753	4 G 4.0	13.6	154	284
00124763	5 G 4.0	15.2	192	355
00124783	4 G 6.0	15.4	230	440
00124793	5 G 6.0	17.1	288	530
00124813	4 G 10.0	20.1	384	615
00124823	5 G 10.0	22.3	480	735

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