

## 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

Last Update (09.12.2022)

©2022 Lapp Group - Technical changes reserved

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<br>ETIM 5.0 Class-Description: Flexible cable                 |
| Classification ETIM 6:    | ETIM 6.0 Class-ID: EC001578<br>ETIM 6.0 Class-Description: Flexible cable                 |
| Core identification code: | Colours according to VDE 0293-308, refer to Appendix T9<br>(7-cored version number-coded) |
| Conductor stranding:      | Fine wire according to VDE 0295,<br>class 5/IEC 60228 class 5                             |
| Minimum bending radius:   | Occasional flexing: 10 x outer diameter<br>Fixed installation: 4 x outer diameter         |
| Nominal voltage:          | Up to 1.0 mm <sup>2</sup> : U0/U: 300/500 V<br>From 1.5 mm <sup>2</sup> : U0/U: 450/750 V |
| Test voltage:             | 3000 V  |
| Protective conductor:     | G = with GN-YE protective conductor<br>X = without protective conductor                   |
| Temperature range:        | Occasional flexing: -40 °C to +90 °C<br>Fixed installation: -50 °C to +90 °C              |

Last Update (09.12.2022)

©2022 Lapp Group - Technical changes reserved

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

**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            |

Last Update (09.12.2022)

©2022 Lapp Group - Technical changes reserved

 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