# 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 mm² 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 (15.07.2025)
©2025 Lapp Group - Technical changes reserved
Product Management 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

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 $mm^2$
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
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 $mm^2$: U0/U: 300/500 V<br>From 1.5 $mm^2$: 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 (15.07.2025)
©2025 Lapp Group - Technical changes reserved
Product Management 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
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.

Last Update (15.07.2025)
©2025 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16

LAPP

# ÖLFLEX® 540 P

PRODUCT INFORMATION

| Article number | Number of cores and mm² 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 (15.07.2025)
©2025 Lapp Group - Technical changes reserved
Product Management www.lappkabel.de
You can find the current technical data in the corresponding data sheet.
PN 0456 / 02_03.16