



ÖLFLEX® 540 P

VDE-registered, cold-flexible TPE/PUR connection cables for particularly harsh conditions

Info

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

Technical data

Classification
ETIM 5.0 Class-ID: EC001578
ETIM 5.0 Class-Description: Flexible cable

Core identification code
Colours according to VDE 0293-308, refer to Appendix T9 (7-cored version number-coded)

Specific insulation resistance
> 20 GOhm x cm

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 mm²: U₀/U: 300/500 V
From 1.5 mm²: 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



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

- 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 mm²
- VDE reg. no. 6584 from 1.5 mm²

Product make-up

- Fine-wire, tinned-copper conductor
- Core insulation: TPE
- Cores twisted together
- Outer sheath: PUR – colour yellow
- Other sheath colours are available upon request

Article number	Number of cores and mm ² 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	36.0	98
0012456	7 G 0.75	9.9	51.0	126
0012457	2 X 1.0	6.7	19.2	53
0012458	3 G 1.0	7.1	29.0	72
00124593	4 G 1.0	7.7	38.4	96
00124603	5 G 1.0	8.6	48.0	117
0012461	7 G 1.0	10.4	68.0	147
ÖLFLEX® 540 P U₀/U: 450/750 V				
0012462	2 X 1.5	8.3	29.0	82
0012463	3 G 1.5	8.8	43.0	108
00124643	4 G 1.5	9.8	58.0	147
00124653	5 G 1.5	10.7	72.0	164
0012466	7 G 1.5	13.4	101.0	267
0012467	2 X 2.5	9.7	48.0	142
0012468	3 G 2.5	10.3	72.0	161
00124693	4 G 2.5	11.4	96.0	220
00124703	5 G 2.5	12.7	120.0	245
0012471	7 G 2.5	15.8	168.0	321
0012474	3 G 4	12.3	115.2	262
00124753	4 G 4	13.6	154.0	284
00124763	5 G 4	15.2	192.0	355
00124783	4 G 6	15.4	230.0	440
00124793	5 G 6	17.1	288.0	530
00124813	4 G 10	20.1	384.0	615
00124823	5 G 10	22.3	480.0	735

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.
Copper price basis: EUR 150/100kg. 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 are not to scale and do not represent detailed images of the respective products.

Similar products

- ÖLFLEX® ROBUST 200 refer to page 66
- ÖLFLEX® 550 P* refer to page 79

Accessories

- SKINTOP® BS-M refer to page 661
- SKINTOP® MS-M refer to page 666
- SKINTOP® BS-M METAL / SKINTOP® BSR-M METAL refer to page 668