

**Harsh conditions**

High mechanical and chemical resistance



# ÖLFLEX® 500 P

Extra-flexible, abrasion and cold-resistant workshop cable with PUR outer sheath



**Info**

- High mechanical strength
- Good oil resistance
- Extra flexible conductor design

**Benefits**

- Increased durability under harsh conditions thanks to robust PUR outer sheath material
- 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
- High flexibility simplifies installation when space is at a premium and use with electrical handheld devices
- The signal colour of the outer sheath increases safety and visual perception

**Application range**

- Portable handheld electrical devices such as drills, sanders, jig saws or grinders
- Portable devices for the home and garden
- Connection and extension cables

**Product features**

- Resistant to oil and drilling fluids according to IEC 61892-4, Appendix D
- Abrasion and notch-resistant
- Flexible down to -40°C
- Halogen-free and flame-retardant (IEC 60332-1-2)
- Resistant to hydrolysis and microbes

**Norm references / Approvals**

- Based on VDE 0285

**Product make-up**

- Extra-fine wire strand made of bare copper
- Core insulation: see data sheet
- Cores twisted together
- PUR outer sheath
- Sheath colour: orange

**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

**Specific insulation resistance**  
see data sheet

**Conductor stranding**  
Extra-fine wire acc. to VDE 0295, class 6 / IEC 60228 class 6

**Minimum bending radius**  
Occasional flexing: 10 x outer diameter  
Fixed installation: 4 x outer diameter

**Nominal voltage**  
U<sub>0</sub>/U: 300/500 V

**Test voltage**  
3000 V

**Protective conductor**  
G = with GN-YE protective conductor  
X = without protective conductor

**Temperature range**  
Occasional flexing: -40°C to +80°C  
Fixed installation: -50°C to +80°C

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® 500 P</b>				
0012345	2 X 1.0	7.2	19.5	64
0012346	3 G 1.0	7.6	29.0	77
00123473	4 G 1.0	8.5	38.4	96
00123483	5 G 1.0	9.2	48.0	120
0012351	2 X 1.5	8.0	29.0	81
0012352	3 G 1.5	8.7	43.0	105.3
00123543	4 G 1.5	9.6	58.0	135
00123533	5 G 1.5	10.8	72.0	158.9
0012365	3 G 2.5	10.9	72.0	173.2
00123553	4 G 2.5	11.9	96.0	204
00123663	5 G 2.5	13.2	120.0	254

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](http://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® 540 P refer to page 77
- ÖLFLEX® 550 P\* refer to page 79

**Accessories**

- Marking systems refer to page 862
- Conductor end sleeves refer to page 913
- SKINTOP® CLICK refer to page 657
- SKINTOP® ST-M refer to page 654