

ÖLFLEX® 500 P

Flexible, abrasion-, oil- and cold-resistant workshop cable with PUR outer sheath

ÖLFLEX® 500 P - PUR power cable with highly flexible conductors and high mechanical strength for durable and oil resistant application with handheld equipment.

Info

High mechanical strength

Good oil resistance

Extra flexible conductor design



Oil-resistant



Mechanical resistance



Halogen-free



Suitable for outdoor use



Cold-resistant



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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
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

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

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
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:	U0/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

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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 \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.

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Article number	Number of cores and mm² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® 500 P				
0012345	2 X 1.0	7.2	19.5	64
0012346	3 G 1.0	7.6	29	77
00123473	4 G 1.0	8.5	38.4	96
00123483	5 G 1.0	9.2	48	120
0012351	2 X 1.5	8	29	81
0012352	3 G 1.5	8.7	43	105.3
00123543	4 G 1.5	9.6	58	135
00123533	5 G 1.5	10.8	72	158.9
0012365	3 G 2.5	10.9	72	173.2
00123553	4 G 2.5	11.9	96	204
00123663	5 G 2.5	13.2	120	254