

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® 500 P	29.11.2013

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



Halogen-free



Cold-resistant



Mechanical resistance



Oil-resistant

Info

High mechanical strength
Good oil resistance
Extra flexible conductor design

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

Design

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


Norm references / Approvals

Based on VDE 0285

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

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Remark

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 \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 are not to scale and do not represent detailed images of the respective products.

Technical Data

Core identification code:	Colours according to VDE 0293-308, refer to Appendix T9
Classification:	ETIM 5.0 Class-ID: EC001578 ETIM 5.0 Class-Description: Flexible cable
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 ₀ /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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Part number	Number of cores and mm ² 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	29.0	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