

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® 450 P	29.11.2013

Abrasion-resistant cable for handheld equipment with integrated wear indicator

Good cost-benefit ratio

Resistant to contact with many mineral oil-based lubricants, diluted acids, aqueous alkaline solutions and other chemical media

The signal colour of the outer sheath increases safety and visual perception

Serious mechanical damages of the yellow outer jacket become visible due to the red inner sheath



Mechanical resistance



Oil-resistant

Info

Cost-effective PVC/PUR dual sheath

Integrated wear indicator

Application range

Portable handheld electrical devices such as drills, sanders, jig saws or grinders

Power or extension cord

Portable devices for the home and garden

Outdoor use is possible within the indicated operating temperature range

Design

Fine-wire strand made of bare copper wires

Core insulation: Based on PVC

Cores twisted together

Inner sheath: PVC - colour red

Outer sheath: PUR – colour yellow

Norm references / Approvals

Based on VDE 0250 / 0285

Product features

Good oil resistance

Abrasion and notch-resistant

Flame-retardant according IEC 60332-1-2

Low-adhesive surface

Resistant to hydrolysis and microbes

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 ≤ 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.

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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:	> 20 GOhm x cm
Conductor stranding:	Fine wire according to VDE 0295, class 5/IEC 60228 class 5
Minimum bending radius:	Occasional flexing: 15 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: -5 °C to +70 °C Fixed installation: -40 °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® 450 P				
0012101	2 X 1,0	8,0	19.2	82
0012102	3 G 1,0	8,4	29.0	89
0012202	3 G 1,5	9,3	43.0	120
00122033	4 G 1,5	10,1	58.0	160
00122043	5 G 1,5	10,9	72.0	179
0012302	3 G 2,5	10,8	72.0	186
00123043	5 G 2,5	13,6	120.0	283