

0045200	<b>DATA SHEET</b>	 <b>LAPP</b>
valid from: 27.01.2023	<b>ÖLFLEX® CRANE PUR</b>	

## Application

ÖLFLEX® CRANE PUR is a halogen free reliable power and control cable for use in many hoists, transport equipment and conveyors. A central support element enables the cable for reeling under tensile stress. They are also suitable for use in dry and damp areas as well as wet industrial conditions. They are suitable for outdoor use if the indicated temperature range is observed.

## Design

Design	based on EN 50525-2-21
Conductor	extra fine wire strands of bare copper, acc. to IEC 60228, Class 6
Insulation	TPE-E
Core identification code	acc. to VDE 0293-1, with GN/YE ground conductor up to 5 cores coloured acc. to HD 308 S2 starting at 6 cores: Black cores with white numbers acc. to DIN EN 50334
Stranding	cores resp. bundles are stranded around a centre filler (PP or aramid cord) as support element
Inner sheath	TPU not flame retardant, halogen-free colour: yellow, RAL 1021
Support braid	supporting braid based on aramid
Outer sheath	TPU acc. to EN 50363-10-2, flame retardant, halogen-free The outer sheath is interconnected with the aramid braid and the inner sheath colour: yellow, RAL 1021

## Electrical properties at 20 °C

Specific volume resistivity	> 20 G Ω x cm
Nominal voltage	600 / 1000 V
Test voltage	4000 V AC

## Mechanical and thermal properties

Minimum bending radius	flexible use: 7,5 x outer diameter fixed installation: 4 x outer diameter
Temperature range	flexible use: -40°C to +80°C max. conductor temperature fixed installation: -50°C up to +80 °C max. conductor temperature
Flammability	flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2
UV resistance	acc. to EN 50620 EN 50618 EN ISO 4892-2-2013, method A (change of colour allowed)
Oil resistance	acc. to EN 50363-10-2
MUD resistance	acc. to NEK 606_2016 IEC 60092-360, Annex C+D

## General requirements

These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)

## Environmental information

These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).

AbN  
automation

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