

|                   |                       |                                                                                                      |
|-------------------|-----------------------|------------------------------------------------------------------------------------------------------|
| U.I. Lapp<br>GmbH | <b>DATASHEET</b>      |  <b>LAPP GROUP</b> |
|                   | <b>ÖLFLEX® 440 CP</b> | <b>0012926</b><br><b>14.11.2013</b>                                                                  |

Abrasion-resistant PUR control cables, flexible at cold temperatures – screened, halogen-free and flame-retardant  
Increased durability under harsh conditions thanks to robust PUR outer sheath  
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  
Copper braiding screens the cable against electromagnetic interference



Suitable for outdoor use



Halogen-free



Cold-resistant



Mechanical resistance



Oil-resistant



Interference signals

#### Info

Suitable for all weather conditions  
VDE-tested and registered  
EMC compliant copper screening

#### Application range

Industrial machinery and machine tools  
Very suitable for oily wet areas within machinery and production lines that are subject to normal mechanical stress  
Construction machinery  
Agricultural equipment  
For indoor and outdoor use

#### Design

Fine-wire, tinned-copper conductor  
Core insulation: TPE  
Cores twisted in layers  
Inner sheath made of TPE  
Tinned-copper braiding  
Special polyurethane outer sheath (PUR)  
Sheath colour: silver grey (RAL 7001)

|                    |                          |       |
|--------------------|--------------------------|-------|
| Product Management | Document: ÖLFLEX® 440 CP | 1 / 2 |
|--------------------|--------------------------|-------|

|                   |                       |                                                                                    |
|-------------------|-----------------------|------------------------------------------------------------------------------------|
| U.I. Lapp<br>GmbH | <b>DATASHEET</b>      |  |
|                   | <b>ÖLFLEX® 440 CP</b> | <b>0012926</b><br><b>14.11.2013</b>                                                |

## Norm references / Approvals

VDE reg. no. 6582

## Product features

Resistant to oil and drilling fluids according to IEC 61892-4, Appendix D

Abrasion and notch-resistant

Halogen-free and flame-retardant (IEC 60332-1-2)

Resistant to hydrolysis and microbes

Flexible at low temperatures

## 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](http://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

|                                                    |                                                                                   |
|----------------------------------------------------|-----------------------------------------------------------------------------------|
| Number of cores and mm <sup>2</sup> per conductor: | 3 G 1,0                                                                           |
| Outer diameter (mm):                               | 9,3                                                                               |
| Copper index (kg/km):                              | 60                                                                                |
| Weight (kg/km):                                    | 132                                                                               |
| Core identification code:                          | Black with white numbers acc. to VDE 0293-1                                       |
| Classification:                                    | ETIM 5.0 Class-ID: EC000104<br>ETIM 5.0 Class-Description: Control cable          |
| Specific insulation resistance:                    | > 20 GOhm x cm                                                                    |
| Conductor stranding:                               | Fine wire according to VDE 0295,<br>class 5/IEC 60228 class 5                     |
| Minimum bending radius:                            | Occasional flexing: 15 x outer diameter<br>Fixed installation: 6 x cable diameter |
| Nominal voltage:                                   | U <sub>0</sub> /U: 300/500 V                                                      |
| Test voltage:                                      | 3000 V                                                                            |
| Protective conductor:                              | G = with GN-YE protective conductor<br>X = without protective conductor           |
| Temperature range:                                 | Occasional flexing: -40 °C to +90 °C<br>Fixed installation: -50 °C to +90 °C      |

|                    |                          |       |
|--------------------|--------------------------|-------|
| Product Management | Document: ÖLFLEX® 440 CP | 2 / 2 |
|--------------------|--------------------------|-------|