



|                      |                            |
|----------------------|----------------------------|
| <b>DATA SHEET</b>    | 0012101                    |
| <b>ÖLFLEX® 450 P</b> | valid from :<br>22.02.2006 |

## Application

ÖLFLEX® 450 P cables are oil resistant PVC-PUR hose cables with an outer sheath of Polyurethane for flexible use and fixed installation for middle mechanical abuse. They are for use in dry, damp and wet rooms. Under following of the indicate temperature range is an use outside possible.

Continuous, busy movements, usage of these cables in moving cable carriers, respectively on motor drum guidance or under a strain of more than 15 N/mm<sup>2</sup> is not allowed. ÖLFLEX® 450 P cables are increased oil resistant and at room temperature generally resistant against acids and caustics solution. The outer sheath is resistant against high mechanical abuse, particularly to abrasion and grinding abuse. ÖLFLEX® 450 P cables are resistant against cuts, microbe proof and hydrolysis resistant.

## Technical data

|                     |   |
|---------------------|---|
| Conductor           | bare copper, fine wire strand in accordance to IEC 60 228 that is VDE 0295, class 5   |
| Design              | in accordance to HD 21.13S1 that is VDE 0281-13 and HD 21.5S3 that is VDE 0281-5  |
| Core insulation     | PVC compound TI2 in acc. to VDE 0281 part 1   |
| Identification      | colored-coded in acc. to HD 186 that is VDE 0293 or HD308S2 that is VDE 0293-308  |
| Inner sheath        | PVC compound TM2 in acc. to VDE 0281 part 1   |
| Outer sheath:       | Polyurethane-compound TMPU in acc. to HD 22.10S1 that is VDE 0282-10  |
| Outer sheath color  | yellow (RAL 1016)   |
| Nominal voltage     | 300/500 V   |
| Test voltage        | 3000 V AC   |
| Temp. range         | for flexible use -5 up to +70° C max. conductor temperature<br>fixed installation -30 up to +80° C max. conductor temperature |
| Min. bending radius | flex. use 15 x cable diameter<br>fixed installation 6 x cable diameter  |
| Flame retardant     | in acc. to IEC 60 332.1   |
| Oil resistance      | in acc. to VDE 0473 part 811-2-1  |
| Tests               | in acc. to VDE 0472 and IEC 60 811-x.x that is VDE 0473   |
| EC directive        | this cable confirms to ECD 73/23/EEC (low voltage directive).   |

|                         |                       |             |
|-------------------------|-----------------------|-------------|
| elaborated by:<br>TE-K: | Document: DB0012101EN | page 1 of 1 |
|-------------------------|-----------------------|-------------|