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| 0042020                   | <b>DATA SHEET</b>     |  |
| valid from:<br>05.06.2019 | <b>ÖLFLEX® LIFT F</b> |   |

## Application

ÖLFLEX® LIFT F are cold flexible PVC flat cables for flexible use under medium mechanical load conditions. They are also suitable for use in dry, damp or wet areas. They are suitable for outdoor use if the indicated temperature range is observed. They are largely resistant to acids and certain oils at room temperature. They are suitable for linear movements, such as occur in elevators and power chains. The maximum tensile load is 15 N/mm<sup>2</sup> of conductor cross-section during installation and operation. Compulsory guidance is not permitted.

Application range: Conveyor and hoist equipment, transport installations, supply lines for moving machine parts, indoor cranes, high rack facilities. Can be used as elevator control cable up to 35 m suspension length with a maximum travel speed of 1.6 m / sec.

## Design

|                          |  |
|--------------------------|--|
| Design                   | based on DIN EN 50214 resp. VDE 0283-2   |
| Conductor                | acc. to IEC 60228 resp. VDE 0295<br>1.0 mm <sup>2</sup> - 6 mm <sup>2</sup> : extra fine wire strands of bare copper, class 6<br>10 - 35 mm <sup>2</sup> : fine wire strands of bare copper, class 5<br>≥ 50 mm <sup>2</sup> : extra fine wire strands of bare copper, class 6 |
| Insulation               | PVC-compound T12 acc. to DIN EN 50363-3 resp. VDE 0207-363-3   |
| Core identification code | acc. to VDE 0293-1, with or without GN/YE ground conductor<br>up to 5 cores coloured in acc. to DIN VDE 0293-308<br>starting at 6 cores: Black cores with white numbers<br>acc. to DIN EN 50334 resp. VDE 0293-334   |
| Outer sheath             | PVC compound TM4 (cold flexible) acc. to DIN EN 50363-4-1 resp. VDE 0207-363-4-1<br>colour: black, similar RAL 9005  |

## Electrical properties at 20°C

|                 |  |
|-----------------|--|
| Nominal voltage | up to 1,0 mm <sup>2</sup> : U <sub>0</sub> /U 300/500 V<br>starting at 1,5 mm <sup>2</sup> : U <sub>0</sub> /U 450/750 V |
| Test voltage    | 3000 V AC  |

## Mechanical and thermal properties

|                        |   |
|------------------------|---|
| Minimum bending radius | flexing: 10 x cable thickness   |
| Temperature range      | flexing: -15 °C up to +70 °C max. conductor temp.   |
| Flammability           | flame retardant acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2  |
| UV resistance          | acc. to EN 50525-1 (VDE 0285-525-1) cable with black sheath are suitable for permanent outdoor use. |
| Tests                  | acc. to EN 50395, EN 50396  |
| General requirements   | These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)                     |

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