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| 0042020 | DATA SHEET |  |
| valid from: 19.05.2025 | ÖLFLEX® LIFT F | |

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 permanent 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/mm² 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

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| Design | based on EN 50214 |
| Conductor | acc. to IEC 60228 resp. EN IEC 60228 1.0 mm ² - 6 mm ² : extra fine wire strands of bare copper, class 6 10 - 35 mm ² : fine wire strands of bare copper, class 5 ≥ 50 mm ² : extra fine wire strands of bare copper, class 6 |
| Insulation | PVC-compound TI2 acc. to EN 50363-3 |
| Core identification code | acc. to VDE 0293-1, with or without GN/YE ground conductor up to 5 cores coloured in acc. to DIN VDE 0293-308 starting at 6 cores: Black cores with white numbers acc. to EN 50334 |
| Outer sheath | PVC compound TM4 (cold flexible) acc. to EN 50363-4-1 colour: black, similar RAL 9005 |

Electrical properties at 20 °C

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| Specific volume resistivity | > 20 G Ω x cm |
| Nominal voltage | up to 1,0 mm ² : U ₀ /U: 300/500 V starting at 1,5 mm ² : U ₀ /U: 450/750 V |
| Test voltage | 3000 V AC |

Mechanical and thermal properties

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| Minimum bending radius | flexing: 10 x outer diameter |
| Temperature range | flexing: -15 °C up to +70 °C max. conductor temperatur |
| Flammability | flame retardant acc. to IEC 60332-1-2 resp. En 60332-1-2 |
| UV resistance | acc. to EN 50525-1 cable with black sheath are suitable for permanent outdoor use. |

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| Tests | acc. to EN 50395, EN 50396 |
| 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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