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

Design	based on EN 50214
Conductor	acc. to IEC 60228 resp. EN IEC 60228 1.0 mm² - 6 mm²: extra fine wire strands of bare copper, class 6 10 - 35 mm²: fine wire strands of bare copper, class 5 ≥ 50 mm²: 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

Specific volume resistivity	> 20 G Ω x cm
Nominal voltage	up to 1,0 mm²: U_0/U: 300/500 V starting at 1,5 mm²: U_0/U: 450/750 V
Test voltage	3000 V AC

Mechanical and thermal properties

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.

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).