

ÖLFLEX® LIFT F

DB 0042020

valid from: 2013-07-01

Application

ÖLFLEX® LIFT F are cold flexible PVC flat cables for flexible use under medium mechanical load conditions. They are among others designed for use in dry, damp and wet rooms. Outdoor use temporarily possible, considering the temperature range. At room temperature they are widely resistant to certain oils and resistant to acids. Continuous operational movements, restricted guidance, usage of these cables in moving cable carriers or on motor drum guidance or under a tensile strain of more than 15 N / mm² is not allowed.

Application range: Conveyor and hoist equipments, 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 1,0 mm ² : fine wire strands of bare copper, class 5 1,5 - 6 mm ² : extra fine wire strands of bare copper, class 6 ≥ 10 mm ² : fine wire strands of bare copper, class 5
Core insulation	PVC-compound TI2 acc. to DIN EN 50363-3 resp. VDE 0207-363-3
Core identification	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 DIN EN 50334 resp. VDE 0293-334
Outer sheath	up to 1,0 mm ² : PVC-compound TM2 acc. DIN EN 50363-4-1 resp. 0207-363-4-1 starting at 1,5 mm ² : PVC compound TM4 (cold flexible) acc. to DIN EN 50363-4-1 resp. VDE 0207-363-4-1 colour: black, similar RAL 9005

Electrical properties

Nominal voltage	up to 1,0 mm ² : starting at 1,5 mm ² :	U ₀ /U 300/500 V U ₀ /U 450/750 V
Test voltage	3000 V AC	

Mechanical and thermal properties

Min. bending radius	flexing:	10 x cable thickness
Temperature range	up to 1,0 mm ² : flexing: starting at 1,5 mm ² : flexing:	0 °C up to +70 °C max. conductor temp. -15 °C up to +70 °C max. conductor temp.
Flammability	flame retardant acc. to IEC 60332-1-2 resp. VDE 0482-332-1-2	
Tests	acc. to EN 50395, EN 50396	
EC directive	This cable is conform to ECDirectives 2006/95/EC (Low Voltage Directive), ECD 2002/95/EC and 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances).	