

ÖLFLEX® LIFT F

DB 0042020
valid from: 24.09.2010

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 is 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 ≤ 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 HD 21.1 S4 resp. VDE 0281-1
Core identification	acc. to VDE 0293-1, with or without GN/YE ground conductor up to 5 cores coloured in acc. to HD 308 S2 that is 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. to HD 21.1 S4 resp. VDE 0281-1 starting at 1,5 mm ² : PVC compound TM4 (cold flexible) acc. to HD 21.1 S4 resp. VDE 0281-1 Colour: Black

Electrical properties

Nominal voltage	up to 1,0 mm ² : 300/500 V starting at 1,5 mm ² : 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: 0 °C up to +70 °C max. conductor temp. starting at 1,5 mm ² : flexing: -15 °C up to +70 °C max. conductor temp.
Flammability	flame retardant in acc. with IEC 60332-1-2 resp. VDE 0482-332-1-2
Tests	acc. to IEC 60811 resp. VDE 0473 and VDE 0472
EC directive	This cable is conform to ECD 2006/95/EC (Low Voltage Directive).