0042020	DATA SHEET	LAPP
valid from: 01.01.2019	ÖLFLEX® LIFT F	

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 is 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 mm²: fine wire strands of bare copper, class 5 1,5 - 6 mm²: extra fine wire strands of bare copper, class 6 ≥ 10 mm²: fine wire strands of bare copper , class 5
Insulation	PVC-compound TI2 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 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 mm²: PVC-compound TM2 acc. DIN EN 50363-4-1 resp. 0207-363-4-1 starting at 1,5 mm²: 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 at 20°C

Rated 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 cable thickness
Temperature range	up to 1,0 mm²: flexing: 0 °C up to +70 °C max. conductor temp. starting at 1,5 mm²: 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
Tests	acc. to EN 50395, EN 50396
General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)