


0042020	DATA SHEET	
valid from: 05.06.2019	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 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 DIN EN 50214 resp. VDE 0283-2
Conductor	acc. to IEC 60228 resp. VDE 0295 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 T12 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	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

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

Minimum bending radius	flexing: 10 x cable thickness
Temperature range	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
UV resistance	acc. to EN 50525-1 (VDE 0285-525-1) 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)

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