



## ÖLFLEX® LIFT F

Flexible at cold temperatures, PVC flat cables



**Info**

- For cable trolley application
- Space-saving installation
- Also suitable for power chains and lift applications

**Technical data**

**Classification**  
ETIM 5.0 Class-ID: EC000825  
ETIM 5.0 Class-Description: Flat cable

**Core identification code**  
Up to 5 cores: colour-coded according to VDE 0293-308, refer to Appendix T9  
From 6 cores: black with white numbers

**Conductor stranding**  
U0/U 300/500 V versions, Fine wire according to VDE 0295  
Class 5 or IEC 60228 Cl. 5  
U0/U 450/750 V versions, extra-Fine wire according to VDE 0295  
Class 6 or IEC 60228 Cl. 6 (from nominal conductor cross section 10 mm<sup>2</sup>: finely stranded/ class 5)

**Minimum bending radius**  
Flexible use: 10 x cable thickness

**Nominal voltage**  
Up to 1.0 mm<sup>2</sup>: U<sub>0</sub>/U: 300/500 V  
From 1.5 mm<sup>2</sup>: U<sub>0</sub>/U: 450/750 V

**Test voltage**  
3000 V

**Protective conductor**  
G = with GN-YE protective conductor  
X = without protective conductor

**Temperature range**  
Flexible use:  
0 °C to +70 °C (up to 1.0 mm<sup>2</sup>)  
-15 °C to +70 °C (as from 1.5 mm<sup>2</sup>)

**Benefits**

- Flat cables need less space than round cables
- Smaller bending radii is possible

**Application range**

- For hoisting equipment and conveyor systems
- Indoor cranes and high-rack facilities
- As supply line for moving machine parts
- According to VDE definition, this can also be used as a lift control cable with up to 35 m suspension length, and a maximum speed of travel at 1.6 m/s
- The application profiles for ÖLFLEX® CRANE and ÖLFLEX® LIFT cables can be found in the appendix, selection table A3

**Product features**

- Flame-retardant according IEC 60332-1-2

**Norm references / Approvals**

- Based on EN 50214/ VDE 0283-2 (H05VVH6-F or H07VVH6-F)
- Meets the requirements of the harmonised PVC flat cable H07VVH6-F

**Product Make-up**

- Strands of bare copper wires
- Core insulation: Based on PVC
- Outer sheath: Based on PVC

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer dimensions, width x height (mm)	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® LIFT F</b>				
<b>Nominal voltage U<sub>0</sub>/U: 300/500 V, temperature range: 0°C to +70°C</b>				
0042020	12 G 1.0	36.0 x 4.7	115	392
0042021	16 G 1.0	48.5 x 4.7	153.6	521
0042022	20 G 1.0	59.0 x 4.7	192	645
0042023	24 G 1.0	71.5 x 4.7	230	772
<b>Nominal voltage U<sub>0</sub>/U: 450/750 V, temperature range: -15°C to +70°C</b>				
00420013	4 G 1.5	15.5 x 5.2	57.6	132
00420023	5 G 1.5	19.7 x 5.2	72	170
0042003	7 G 1.5	27.0 x 5.2	100.8	236
0042004	8 G 1.5	29.0 x 5.2	115	266
0042005	10 G 1.5	36.5 x 5.2	144	333
0042006	12 G 1.5	42.0 x 5.2	172.8	422
00420073	4 G 2.5	19.0 x 5.9	96	206
00420083	5 G 2.5	24.0 x 5.9	120	257
0042009	7 G 2.5	32.5 x 5.9	168	345
0042010	8 G 2.5	35.0 x 5.9	192	390
0042050	12 G 2.5	52.5 x 5.9	288	580
00420113	4 G 4	21.0 x 6.8	153.6	343
0042012	7 G 4	38.0 x 6.8	268.8	589
00420133	4 G 6	24.0 x 7.3	230	425
00420143	4 G 10	30.5 x 9.5	384	709
00420153	4 G 16	35.0 x 10.8	614	1015
00420163	4 G 25	42.0 x 13.0	960	1366

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Copper price basis: EUR 150/100 kg. Refer to catalogue appendix T17 for the definition and calculation of copper-related surcharges. Please find our standard lengths at: [www.lappkabel.de/en/cable-standardlengths](http://www.lappkabel.de/en/cable-standardlengths)  
Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum  
Please specify the preferred type of packaging (e.g. 1 x 500 m drum or 5 x 100 m coils).  
Photographs are not to scale and do not represent detailed images of the respective products.

<p><b>Similar products</b></p> <ul style="list-style-type: none"> <li>• ÖLFLEX® CRANE F refer to page 170</li> </ul>	<p><b>Accessories</b></p> <ul style="list-style-type: none"> <li>• Cable trolley systems</li> <li>• Flat cable wedge clamps</li> </ul>
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