

U.I. Lapp GmbH	PRODUCT INFORMATION	
	ÖLFLEX® CRANE	12.09.2012

Highly flexible and weather-proof rubber cables with support element
Weather-resistant for harsh environmental conditions
Very flexible due to extra-fine wire conductor design
Cables up to a max. 24 cores can also be used in power chains



Info

Suitable for outdoor use
Integrated supporting element
Also suitable for power chains and cable trolley systems

Application range

Machinery and equipment that are permanently exposed to the weather; conveying and hoisting equipment; construction machinery; shipyard machinery
Suitable for use in special conditions such as industrial or sea water
The application profiles for ÖLFLEX® CRANE and ÖLFLEX(R) LIFT cables can be found in the appendix, selection table A3
The assembly and handling guidelines for ÖLFLEX® CRANE cables can be found in the catalogue appendix, technical table T4; for ÖLFLEX(R) LIFT cables please see the catalogue appendix, technical table T5
For highly flexible applications, please follow the assembly guidelines for ÖLFLEX® FD cables in power chains; see appendix T3

Design

Strands of bare copper wires
Core insulation: rubber compound
Special supporting element as strain relief
Outer sheath: rubber compound, type EM2

Product features

Flame-retardant according to IEC 60332-1-2
Not suitable for use on guide pulleys or drums under tensile load
Refer to the article table for the tensile strength of the support element
The cable should be installed in a way that the supporting element can absorb the tensile forces
The mobility of the cores must not be affected by the clamps

Remark

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.

Copper price basis: EUR 150/100kg. Refer to Appendix T17 for the definition and calculation of copper-related surcharges.

Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths

Packaging size: coil \leq 30 kg or \leq 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.

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Technical Data

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
Based on:	VDE 0250
Specific insulation resistance:	> 20 GOhm x cm
Conductor stranding:	0.15 mm wire diameter at 1.0 mm ² 0.20 mm wire diameter from 1.5 mm ²
Minimum bending radius:	Flexible use: 12.5 x outer diameter
Nominal voltage:	U ₀ /U: 300/500 V
Test voltage:	3000 V
Protective conductor:	G = with GN-YE protective conductor X = without protective conductor
Temperature range:	Flexible use: -25°C to +80°C Fixed installation: -40°C to +80°C

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ÖLFLEX® CRANE

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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Tensile strength (N)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CRANE					
0039001	2 X 1,0	7.4	300	19.2	89
0039002	3 G 1,0	8.3	300	28.8	106
00390033	4 G 1,0	8.9	300	38.4	127
00390043	5 G 1,0	10.4	300	48.0	149
0039107	7 G 1,0	12.9	300	67.2	206
0039109	9 G 1,0	14.4	300	86.4	281
0039054	12 G 1,0	18.5	360	115.2	422
0039116	16 G 1,0	17.9	480	153.6	407
0039055	18 G 1,0	19.2	540	172.8	451
0039120	20 G 1,0	20.5	600	192.0	530
0039056	24 G 1,0	22.1	720	230.4	646
0039057	36 G 1,0	26.1	1080	345.6	863
0039148	48 G 1,0	29.6	1440	460.8	1222
0039017	2 X 1,5	8.0	300	28.8	108
0039018	3 G 1,5	8.7	300	43.2	128
00390193	4 G 1,5	9.9	300	57.6	158
00390203	5 G 1,5	10.9	300	72.0	188
0039061	7 G 1,5	14.0	315	100.8	260
0039208	8 G 1,5	15.2	360	115.2	300
0039209	9 G 1,5	15.9	405	129.6	375
0039210	10 G 1,5	17.0	450	144.0	427
0039058	12 G 1,5	19.9	540	172.8	557
0039059	18 G 1,5	20.9	810	259.2	608
0039060	24 G 1,5	23.4	1080	345.6	825
0039034	2 X 2,5	9.7	300	48.0	145
0039035	3 G 2,5	10.2	300	72.0	173
00390363	4 G 2,5	11.6	300	96.0	219
00390373	5 G 2,5	12.4	375	120.0	259
0039307	7 G 2,5	16.6	525	168.0	378
0039309	9 G 2,5	18.9	675	216.0	518
0039312	12 G 2,5	23.3	900	288.0	770

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Part number	Number of cores and mm ² per conductor	Outer diameter (mm)	Tensile strength (N)	Copper index (kg/km)	Weight (kg/km)
0039316	16 G 2,5	22.8	1200	384.0	749
0039318	18 G 2,5	24.4	1350	432.0	837
0039324	24 G 2,5	28.5	1800	576.0	1184
0039336	36 G 2,5	33.2	2700	864.0	1634
00390463	4 G 4	15.2	480	153.6	307
00390473	5 G 4	16.8	600	192.0	394
00390483	4 G 6	16.8	720	230.4	409
00390493	5 G 6	19.2	900	288.0	528
00390503	4 G 10	21.8	1200	384.0	698
00390513	5 G 10	24.6	1500	480.0	853
00390523	4 G 16	25.4	1920	614.4	974
00390533	5 G 16	28.0	2400	768.0	1226