

ÖLFLEX® CRANE

Highly flexible and weather-proof rubber cables with support element

ÖLFLEX® CRANE - flexible cable, flame retardant for outdoor use and crane applications/conveyour technology, power and control rubber cable, U_0/U :300/500V

Info

Suitable for outdoor use

Integrated supporting element

Also suitable for power chains and cable trolley systems



UV-resistant



Optimum strain relief



Oil-resistant



Suitable for outdoor use



Cold-resistant

Benefits

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

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Product Management www.lappkabel.de

You can find the current technical data in the corresponding data sheet.

PN 0456 / 02_03.16

ÖLFLEX® CRANE

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 not more than 2 weeks without interruption of submersion in industrial or sea water

The application profiles for ÖLFLEX® CRANE and ÖLFLEX® 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® 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

Product features

Flame-retardant according 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

Norm references / Approvals

Based on VDE 0250

Product Make-up

Conductor made of bare copper wires

Core insulation: rubber compound

Special supporting element as strain relief

Outer sheath: rubber compound, type EM2

Technical Data

Classification ETIM 5:

ETIM 5.0 Class-ID: EC001578

ETIM 5.0 Class-Description: Flexible cable

Classification ETIM 6:

ETIM 6.0 Class-ID: EC001578

ETIM 6.0 Class-Description: Flexible 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:

0.15 mm wire diameter at 1.0 mm²

0.20 mm wire diameter from 1.5 mm²

Minimum bending radius:

Flexible use: 12.5 x outer diameter

Fixed installation: 6 x outer diameter

Nominal voltage:

U0/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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Note

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

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 and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.



Article 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	2.0 X 1	7.4	300	19.2	89
0039002	3.0 G 1	8.3	300	28.8	106
00390033	4.0 G 1	8.9	300	38.4	127
00390043	5.0 G 1	10.4	300	48	149
0039107	7.0 G 1	12.9	300	67.2	206
0039109	9.0 G 1	14.4	300	86.4	281
0039054	12.0 G 1	18.5	360	115.2	422
0039055	18.0 G 1	19.2	540	172.8	451
0039056	24.0 G 1	22.1	720	230.4	646
0039057	36.0 G 1	26.1	1080	345.6	863
0039017	2.0 X 1.5	8	300	28.8	108
0039018	3.0 G 1.5	8.7	300	43.2	128
00390193	4.0 G 1.5	9.9	300	57.6	158
00390203	5.0 G 1.5	10.9	300	72	188
0039061	7.0 G 1.5	14	315	100.8	260
0039208	8.0 G 1.5	15.2	360	115.2	300
0039209	9.0 G 1.5	15.9	405	129.6	375
0039210	10.0 G 1.5	17	450	144	427
0039058	12.0 G 1.5	19.9	540	172.8	557
0039059	18.0 G 1.5	20.9	810	259.2	608
0039060	24.0 G 1.5	23.4	1080	345.6	825
0039034	2.0 X 2.5	9.7	300	48	145
0039035	3.0 G 2.5	10.2	300	72	173
00390363	4.0 G 2.5	11.6	300	96	219
00390373	5.0 G 2.5	12.4	375	120	259
0039307	7.0 G 2.5	16.6	525	168	378
0039309	9.0 G 2.5	18.9	675	216	518
0039312	12.0 G 2.5	23.3	900	288	770
0039316	16.0 G 2.5	22.8	1200	384	749
0039318	18.0 G 2.5	24.4	1350	432	837
0039324	24.0 G 2.5	28.5	1800	576	1184
00390463	4.0 G 4	15.2	480	153.6	307
00390473	5.0 G 4	16.8	600	192	394

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Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Tensile strength (N)	Copper index (kg/km)	Weight (kg/km)
00390483	4.0 G 6	16.8	720	230.4	409
00390493	5.0 G 6	19.2	900	288	528
00390503	4.0 G 10	21.8	1200	384	698
00390513	5.0 G 10	24.6	1500	480	853
00390523	4.0 G 16	25.4	1920	614.4	974
00390533	5.0 G 16	28	2400	768	1226

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