

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, U₀/U:300/500V

Info

Suitable for outdoor use

Integrated supporting element

Also suitable for power chains and cable trolley systems



Suitable for outdoor use



Cold-resistant



Oil-resistant



Optimum strain relief



UV-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

Application range

Machinery and equipment that are permanently exposed to the weather; conveying and hoisting equipment; construction

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

PN 0456 / 02_03.16

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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
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 cable

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 mm ² 0.20 mm wire diameter from 1.5 mm ²
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

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 ≤ 30 kg or ≤ 250 m, otherwise drum

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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.

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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)
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0039001	2.0 X 1.0	7.4	300	19.2	89
0039002	3.0 G 1.0	8.3	300	28.8	106
00390033	4.0 G 1.0	8.9	300	38.4	127
00390043	5.0 G 1.0	10.4	300	48	149
0039107	7.0 G 1.0	12.9	300	67.2	206
0039109	9.0 G 1.0	14.4	300	86.4	281
0039054	12.0 G 1.0	18.5	360	115.2	422
0039055	18.0 G 1.0	19.2	540	172.8	451
0039056	24.0 G 1.0	22.1	720	230.4	646
0039057	36.0 G 1.0	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 4.0	15.2	480	153.6	307
00390473	5.0 G 4.0	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 6.0	16.8	720	230.4	409
00390493	5.0 G 6.0	19.2	900	288	528
00390503	4.0 G 10.0	21.8	1200	384	698
00390513	5.0 G 10.0	24.6	1500	480	853
00390523	4.0 G 16.0	25.4	1920	614.4	974
00390533	5.0 G 16.0	28	2400	768	1226

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