

ÖLFLEX® CRANE

High flexible and weatherproof rubber cables with supporting element



Info

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

Benefits

- Weatherproof for harsh environmental conditions
- Very flexible due to extra fine wired conductor design
- Types up to max. 24 cores can also be used in power chains

- Tensile strength of supporting element, see article table
- The cable should be installed in a way that the supporting element can absorb the tensile forces
- The movability of the cores may be not affected by clamps

Application range

- Handling and hoisting gear, construction machinery, dockyard installations
- Machinery and installations which are permanently exposed to climatic conditions
- Suitable for use in special conditions such as industrial or sea water

Approvals (Norm references)



- For highly flexible use please observe the assembly guidelines for ÖLFLEX® FD cables in power chains, see Appendix T3

Product features

- Flame retardant according to IEC 60332-1-2
- Not suitable for use on guide pulleys or drums under tensile load

Design

- Strands of bare copper wires
- Core insulation: Rubber
- Special supporting element
- Outer jacket of rubber Type EM2

Technical data

- Core identification code**
Up to 5 cores: colour coded according VDE 0293-308, see Appendix T9
Starting at 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 mm²
0.20 mm wire diameter from 1.5 mm²
- Minimum bending radius**
Flexible use: 12.5 x outer diameter
- Rated voltage**
U₀/U: 300/500 V
- Test voltage**
3000 V
- Protective conductor**
G = with protective conductor GN/YE
X = without protective conductor
- Range of temperature**
Flexible use: -25°C up to +80°C
Fixed installation: -40°C up to +80°C

Part number	Number of cores and mm ² per conductor	Outer diameter in mm approx.	Tension load capacity in N	Copper index kg/km	Weight kg/km approx.
ÖLFLEX® CRANE					
0039001	2 X 1	7.4	300	20.0	89
0039002	3 G 1	8.3	300	30.0	106
00390033	4 G 1	8.9	300	40.0	127
00390043	5 G 1	10.4	300	48.0	149
0039107	7 G 1	12.9	300	69.0	206
0039109	9 G 1	14.4	300	91.0	281
0039054	12 G 1	18.5	360	124.0	422
0039116	16 G 1	17.9	480	165.0	407
0039055	18 G 1	19.2	540	185.0	451
0039120	20 G 1	20.5	600	206.0	530
0039056	24 G 1	22.1	720	247.0	646
0039057	36 G 1	26.1	1,080	371.0	863
0039148	48 G 1	29.6	1,440	461.0	1,222
0039017	2 X 1.5	8.0	300	30.0	108
0039018	3 G 1.5	8.7	300	44.0	128
00390193	4 G 1.5	9.9	300	59.0	158
00390203	5 G 1.5	10.9	300	74.0	188
0039061	7 G 1.5	14.0	315	103.0	260
0039208	8 G 1.5	15.2	360	122.0	300
0039209	9 G 1.5	15.9	405	138.0	375
0039210	10 G 1.5	17.0	450	153.0	427

Part number	Number of cores and mm ² per conductor	Outer diameter in mm approx.	Tension load capacity in N	Copper index kg/km	Weight kg/km approx.
0039058	12 G 1.5	19.9	540	185.0	557
0039059	18 G 1.5	20.9	810	277.0	608
0039060	24 G 1.5	23.4	1,080	370.0	825
0039034	2 X 2.5	9.7	300	49.0	145
0039035	3 G 2.5	10.2	300	74.0	173
00390363	4 G 2.5	11.6	300	98.0	219
00390373	5 G 2.5	12.4	375	120.0	259
0039307	7 G 2.5	16.6	525	171.0	378
0039309	9 G 2.5	18.9	675	229.0	518
0039312	12 G 2.5	23.3	900	308.0	770
0039316	16 G 2.5	22.8	1,200	411.0	749
0039318	18 G 2.5	24.4	1,350	432.0	837
0039324	24 G 2.5	28.5	1,800	576.0	1,184
0039336	36 G 2.5	33.2	2,700	864.0	1,634
00390463	4 G 4	15.2	480	157.0	307
00390473	5 G 4	16.8	600	197.0	394
00390483	4 G 6	16.8	720	236.0	409
00390493	5 G 6	19.2	900	295.0	528
00390503	4 G 10	21.8	1,200	393.0	698
00390513	5 G 10	24.6	1,500	491.0	853
00390523	4 G 16	25.4	1,920	629.0	974
00390533	5 G 16	28.0	2,400	787.0	1,226

Copper price basis: EUR 150 / 100 kg; For utilization and definition of „Metal price basis“ and „Metal index“ see Appendix T17
 Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths
 Packaging size: Coil ≤ 30 kg and ≤ 250 m, otherwise drum
 Please specify the desired packaging size (e.g. 1 x 500 m drum or 5 x 100 m coils)

Comparable products

- ÖLFLEX® CRANE NSHTÖU see page 159
- ÖLFLEX® CRANE VS (N)SHTÖU see page 160

Accessories

- SKINTOP® CLICK / CLICK-R see page 643

ÖLFLEX®
 UNITRONIC®
 ETHERLINE®
 HITRONIC®
 EPIC®
 SKINTOP®
 SILVYN®
 FLEXIMARK®
 ACCESSORIES
 APPENDIX