



ÖLFLEX® CRANE NSHTÖU

Reelable cables for low and medium mechanical stress



Info

- Robust and efficient
- Suitable for outdoor use
- Integrated sheath supporting braid



Benefits

- Can be used as hawser, drum and towing cable as well as for energy supply chains
- Integrated supporting braid prevents undesirable cable twists, and the formation of so-called corkscrew effects

Application range

- For use in hoists, transport and conveyor systems
- Reeling/unreeling during operation without fixing
- In dry or damp interiors, outdoors, or not more than 2 weeks without interruption in industrial 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

Product features

- Flame-retardant according IEC 60332-1-2
- Oil-resistant according to EN 60811-404
- Good chemical, thermal and mechanical resistance
- UV-resistant

Norm references / Approvals

- <VDE> NSHTÖU cable type certification acc. VDE 0250-814

Product Make-up

- Strands of tinned-copper wires
- Core insulation: rubber compound, type 3GI3
- Support braid integrated in the outer sheath
- Outer sheath: rubber compound, type 5GM3

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000057 ETIM 5.0/6.0 Class-Description: Low voltage power 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 Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
	Minimum bending radius Flexible use: Cables with outer diameter < 21,5 mm: 5 x outer diameter Cables with outer diameter > 21,5 mm: 6,25 x outer diameter
	Nominal voltage U0/U: 600/1000 V
	Test voltage 4000 V
	Protective conductor G = with GN-YE protective conductor X = without protective conductor
	Current rating VDE 0298 Part 4
	Temperature range Flexible use: -25°C to +80°C

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CRANE NSHTÖU				
0043006	3 G 1.5	14	43.2	190
00430053	4 G 1.5	14.8	57.6	220
00430073	5 G 1.5	15.7	72	260
0043008	7 G 1.5	18.2	100.8	380
0043009	12 G 1.5	23.9	172.8	720
0043010	18 G 1.5	23.9	259.2	770
0043011	24 G 1.5	27.1	345.6	1000
0043012	30 G 1.5	30.2	432	1320
0043013	3 G 2.5	15.5	72	250
00430303	4 G 2.5	16.9	96	330
00430143	5 G 2.5	18	120	390
0043015	7 G 2.5	20.6	168	510
0043016	12 G 2.5	27.4	288	970
0043017	18 G 2.5	27.4	432	1100

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Copper index (kg/km)	Weight (kg/km)
0043018	24 G 2.5	31.6	576	1450
0043019	30 G 2.5	36.3	720	1950
00430203	4 G 4.0	18.4	153.6	440
00430333	5 G 4.0	19.6	192	520
00430213	4 G 6.0	19.8	230.4	530
00430343	5 G 6.0	21.7	288	690
00430223	4 G 10.0	23.4	384	830
00430003	5 G 10.0	25.2	480	1000
00430233	4 G 16.0	25.5	614.4	1170
00430323	5 G 16.0	27.5	768	1400
00430243	4 G 25.0	32.6	960	1830
00430253	4 G 35.0	34.8	1344	2280
00430263	4 G 50.0	40.6	1920	3220
00430283	4 G 70.0	44.8	2688	4200
00430293	4 G 95.0	51.2	3648	5530

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

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.

Similar products

- ÖLFLEX® CRANE VS (N)SHTÖU refer to page 178
- ÖLFLEX® CRANE PUR refer to page 179

Accessories

- KNIPEX Ratchet cutter refer to page 952
- STAR STRIP stripping tool refer to page 957
- KT cable shears



ÖLFLEX® CRANE VS (N)SHTÖU

Reelable cables for medium to high mechanical stress



Info

- Reinforced outer sheath design
- Central and tear-resistant supporting element
- Suitable for extreme tensile stress

Benefits

- The central supporting element absorbs the tensile loads that occur, thereby allowing reeling, unreeling and deflection for free-hanging cables even over large distances.
- Reeling, unreeling and guiding operations also impose tensile stresses on the cables
- Integrated supporting braid prevents undesirable cable twists, and the formation of so-called corkscrew effects

Application range

- For use in hoists, transport and conveyor systems
- Cables are reeled, unreeling, and guided by roller trains
- In dry or damp interiors, outdoors, or not more than 2 weeks without interruption in industrial 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

Product features

- Flame-retardant according IEC 60332-1-2
- Oil-resistant according to EN 60811-404
- Good chemical, thermal and mechanical resistance

Norm references / Approvals

- Based on VDE 0250-814 (NSHTÖU)

Product Make-up

- Strands of tinned-copper wires
- Core insulation: rubber compound, type 3GI3
- Central supporting element
- Support braid integrated in the outer sheath
- Outer sheath: rubber compound, type 5GM5

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000057 ETIM 5.0/6.0 Class-Description: Low voltage power 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 Fine wire according to VDE 0295 Class 5/ IEC 60228 Class 5
	Minimum bending radius Flexible use: 7.5 x outer diameter
	Nominal voltage U0/U: 600/1000 V
	Test voltage 3000 V
	Protective conductor G = with GN-YE protective conductor X = without protective conductor
	Current rating VDE 298 Part 4
	Temperature range Flexible use: -25°C to +80°C

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 VS (N)SHTÖU					
0044008	7 G 1.5	18.8	2000	100.8	430
0044009	12 G 1.5	25.3	2000	172.8	820
0044010	18 G 1.5	25.3	2000	259.2	930
0044011	24 G 1.5	30.1	2000	345.6	1260
0044036	36 G 1.5	34	2000	518.4	1650
0044015	7 G 2.5	21.6	2000	168	630
0044016	12 G 2.5	29.4	2000	288	1150
00440333	5 G 4.0	19.6	2000	192	510
00440223	4 G 10.0	23.4	2000	384	830
00440233	4 G 16.0	25.5	2000	614.4	1170
00440323	5 G 16.0	27.5	2400	768	1400
00440243	4 G 25.0	32.6	3000	960	1850
00440253	4 G 35.0	34.8	4000	1344	2250
00440263	4 G 50.0	40.6	6000	1920	3200
00440283	4 G 70.0	44.8	8000	2688	4200
00440293	4 G 95.0	51.2	11000	3648	5550

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

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.

Similar products

- ÖLFLEX® CRANE NSHTÖU refer to page 177
- ÖLFLEX® CRANE PUR refer to page 179

Accessories

- KNIPEX Ratchet cutter refer to page 952
- V 1311-A pressing pliers, hydraulic refer to page 980
- PVX 1300 pressing pliers battery-operated refer to page 981
- EASY STRIP stripping and cutting tool refer to page 962
- STAR STRIP stripping tool refer to page 957
- KT cable shears



ÖLFLEX® CRANE PUR

Reelable polyurethane cables for low, medium and high mechanical stress

Info

- Multifunctional application possibilities, flexible use down to -40°C
- Lightweight due to minimised diameters
- Halogen-free

Benefits

- Designed with a smaller outer diameter to save space and weight
- Cost-saving due to the use of smaller drums, guide rollers, as well as drive engines when possible
- Reeling, unreeling and guiding operations also impose tensile stresses on the cables
- The central supporting element absorbs the tensile loads that occur, thereby allowing reeling, unreeling and deflection for free-hanging cables even over large distances.
- Integrated supporting braid prevents undesirable cable twists, and the formation of so-called corkscrew effects

Application range

- For use in hoists, transport and conveyor systems
- Cables are reeled, unreeling, and guided by roller trains
- In dry or damp interiors, outdoors, or not more than 2 weeks without interruption in industrial 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

Product features

- Halogen-free and flame-retardant (IEC 60332-1-2)
- Oil-resistant according to EN 60811-404
- Good chemical, thermal and mechanical-resistance

Product Make-up

- Conductor made of bare copper wires
- Core insulation: TPE compound
- Central supporting element
- Support braid integrated in the outer sheath
- Outer sheath: PUR compound, halogen-free

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000057 ETIM 5.0/6.0 Class-Description: Low voltage power 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 Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6
	Minimum bending radius Flexible use: 7.5 x outer diameter
	Nominal voltage U0/U: 600/1000 V
	Test voltage 4000 V
	Protective conductor G = with GN-YE protective conductor X = without protective conductor
	Current rating VDE 298 Part 4
	Temperature range Flexible use: -40°C to +80°C

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 PUR					
0045207	4 G 1.5	10.9	500	57.6	169
0045209	5 G 1.5	11.6	1000	72	197
0045210	7 G 1.5	12.9	2500	100.8	239
0045211	12 G 1.5	17.6	2500	172.8	401
0045212	18 G 1.5	17.5	2500	259.2	507
0045213	24 G 1.5	20.7	2500	345.6	673
0045215	30 G 1.5	28.9	3000	432	1100
0045214	36 G 1.5	31.4	3000	518.4	1350
0045216	4 G 2.5	12.2	500	96	227
0045218	5 G 2.5	13.2	2000	120	274
0045220	7 G 2.5	15.4	3000	168	358
0045221	12 G 2.5	21.6	3000	288	619
0045222	18 G 2.5	21.5	3000	432	793
0045223	24 G 2.5	25.5	3000	576	1123
0045224	30 G 2.5	34.7	3000	720	1641

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Tensile strength (N)	Copper index (kg/km)	Weight (kg/km)
0045225	4 G 4.0	14.3	1000	153.6	341
0045227	5 G 4.0	15.5	2000	192	411
0045228	4 G 6.0	16.6	1500	230.4	457
0045229	5 G 6.0	17.7	2000	288	538
0045235	7 G 6.0	21.5	2500	403	750
0045230	4 G 10.0	19.2	2000	384	674
0045237	5 G 10.0	21.6	2500	480	825
0045231	4 G 16.0	22.2	2500	614.4	966
0045238	5 G 16.0	25.6	3500	768	1222
0045232	4 G 25.0	27.6	3500	960	1506
0045233	4 G 35.0	31	4500	1344	2004
0045234	4 G 50.0	36.1	6000	1920	2838
0045240	3x25+3G6	25.7	2000	892.8	1380
0045241	3x35+3G6	27.6	2500	1180.8	1695
0045242	3x50+3G10	32.1	3500	1728	2307

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
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.

Similar products

- ÖLFLEX® CRANE NSHTÖU refer to page 177
- ÖLFLEX® CRANE VS (N)SHTÖU refer to page 178

Accessories

- KNIPEX Ratchet cutter refer to page 952
- EASY STRIP stripping and cutting tool refer to page 962
- KT cable shears

Power and control cables

Conveyor technology • With support element



ÖLFLEX® CRANE

Highly flexible and weather-proof rubber cables with support element



Info

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

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 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 5/6 ETIM 5.0/6.0 Class-ID: EC001578 ETIM 5.0/6.0 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

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 1.0	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

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Tensile strength (N)	Copper index (kg/km)	Weight (kg/km)
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
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

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

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.

Similar products

- ÖLFLEX® CRANE NSHTÖU refer to page 177
- ÖLFLEX® CRANE VS (N)SHTÖU refer to page 178

Accessories

- CLICK System



ÖLFLEX® CRANE 2ST

Flexible at cold temperatures, PVC cables with external steel supporting elements



Info

- New Product, Follower of ÖLFLEX® CRANE 2S



Benefits

- Two steel support elements that are integrated into the outer sheath on opposite sides absorb the tensile forces during operation
- Tensile strength of 2100 N per supporting element

Application range

- For connecting movable control panels and consoles
- As a self-supporting shaft cable; in high rack systems
- Suitable for outdoor applications
- Do not use for lift applications!
- 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
- Flexible at low temperatures

Norm references / Approvals

- Based on VDE 0250

Product Make-up

- Conductor made of bare copper wires
- Special PVC-based core insulation
- Special textile wrapping to improve sliding movement between the sheath and cores
- Special PVC-based outer sheath
- Opposing, integrated steel supporting elements

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000104 ETIM 5.0/6.0 Class-Description: Control cable
	Core identification code Black with white numbers acc. to VDE 0293-334
	Conductor stranding Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6
	Minimum bending radius Flexible use: 20 x outer diameter
	Nominal voltage U0/U: 300/500 V
	Test voltage 4000 V
	Protective conductor G = with GN-YE protective conductor X = without protective conductor
	Temperature range Flexible use: -15°C to +70°C

Article number	Number of cores and mm ² per conductor	Cable Ø (mm)	Distance between strain wires (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CRANE 2ST					
2027503	8.0 G 1.5	13.6	19	115	430
2027504	12.0 G 1.5	15.5	21	172.8	510
2027505	20.0 G 1.5	20	25	288	720

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
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.

Accessories

- EASY STRIP stripping and cutting tool refer to page 962

Power and control cables

Conveyor technology • For lifts



ÖLFLEX® LIFT N

Flexible at cold temperatures, PVC lift cables with supporting element



Info

- New Product, Follower of ÖLFLEX® LIFT

Benefits

- Special cable design for a long service life
- Very flexible due to extra-fine wire conductor design

Application range

- Lift cable that ensures the electrical integrity in various areas of lift construction
- Suitable for use in outdoor lifts
- 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

Product features

- Flame-retardant according IEC 60332-1-2
- Good weather-resistance

Product Make-up

- Conductor made of bare copper wires
- Special PVC-based core insulation
- Supporting element made of synthetic fibre
- Fleece-wrapping between cores and sheath
- Special PVC-based outer sheath

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000826
ETIM 5.0/6.0 Class-Description:
Elevator cable



Core identification code

Black with white numbers acc. to VDE 0293-334



Suspension length

refer to article table



Conductor stranding

Extra-fine wire according to VDE 0295, class 6/IEC 60228 class 6



Minimum bending radius

Flexible use: 20 x outer diameter



Nominal voltage

U0/U: 300/500 V



Test voltage

4000 V



Protective conductor

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



Temperature range

Flexible use: -15°C to +70°C

Article number	Number of cores and mm ² per conductor	Outer diameter [mm]	Max. suspension length (m)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® LIFT N					
2027019	5 G 1.0	9.8	50	48	129
2027020	7 G 1.0	11.3	80	67.2	190
2027022	12 G 1.0	16.1	80	115.2	370
2027024	18 G 1.0	16.3	60	172.8	430
2027027	24 G 1.0	19.3	60	230.4	595
2027029	36 G 1.0	22	90	345.6	815

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

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.

Accessories

- KNIPEX Ratchet cutter refer to page 952
- KT cable shears
- RKK 01 for 2 cables (7-10mm and 8-11mm)

ÖLFLEX® CRANE F

Weather-resistant flat rubber cables



Info

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



Benefits

- Weather-resistant for harsh environmental conditions
- Flat cables need less space than round cables
- Smaller bending radii is possible

Application range

- As a lift control cable: max. 50 m suspension length
- In crane systems on building sites and shipyards for fixed installation, or for flexible use in cable trolley systems
- Sewage treatment plants, steelworks and high rack facilities
- 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 VDE 0250-809 (NGFLGÖU)

Product Make-up

- Conductors: Finely stranded bare copper
- Core insulation: rubber compound
- Outer sheath: special rubber compound

Technical data

	Classification ETIM 5/6 ETIM 5.0/6.0 Class-ID: EC000825 ETIM 5.0/6.0 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 Copper conductor according to VDE 0295/IEC 60228 up to 25 mm²: extra-fine wire, class 6 from 35 mm²: fine wire, class 5
	Minimum bending radius Flexible use: 10 x cable thickness Fixed installation: 4 x cable thickness
	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 +90°C Fixed installation: -40°C to +90°C

Article number	Number of cores and mm² per conductor	Outer dimensions, width x height (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CRANE F				
0041041	4.0 G 1.5	17.5 x 6.2	57.6	200
0041042	5.0 G 1.5	21.5 x 6.2	72	240
0041043	7.0 G 1.5	29.0 x 6.2	100.8	360
0041044	8.0 G 1.5	31.5 x 6.2	115	370
0041045	10.0 G 1.5	40.0 x 6.5	144	520
0041046	12.0 G 1.5	47.0 x 6.5	172.8	620
0041047	4.0 G 2.5	21.0 x 7.5	96	280
0041048	5.0 G 2.5	27.0 x 7.5	120	400
0041049	7.0 G 2.5	35.0 x 7.5	168	520
0041050	8.0 G 2.5	39.0 x 7.5	192	550
0041051	12.0 G 2.5	56.0 x 8.0	288	800

Article number	Number of cores and mm² per conductor	Outer dimensions, width x height (mm)	Copper index (kg/km)	Weight (kg/km)
0041052	4.0 G 4.0	26.0 x 9.0	153.6	410
0041053	7.0 G 4.0	42.0 x 9.0	268.8	700
0041054	4.0 G 6.0	29.0 x 9.5	230	600
0041055	5.0 G 6.0	35.0 x 9.5	288	650
0041056	7.0 G 6.0	42.0 x 9.5	403	850
0041057	4.0 G 10.0	33.0 x 11.0	384	800
0041059	4.0 G 16.0	38.0 x 13.0	614	1150
0041060	4.0 G 25.0	49.5 x 15.0	960	1700
0041061	4.0 G 35.0	55.0 x 17.0	1344	2360
0041062	4.0 G 50.0	63.0 x 19.0	1920	3000
0041063	4.0 G 70.0	71.0 x 22.0	2688	4000

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
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.

Similar products

- ÖLFLEX® LIFT F refer to page 185

Accessories

- Cable trolley systems
- FKK Flat cable wedge clamps

Power and control cables

Conveyor technology • Flat cables



ÖLFLEX® CRANE CF

Weather-resistant flat rubber cables with copper screening



Info

- For outdoor cable trolley application
- EMC-compliant

Benefits

- Weather-resistant for harsh environmental conditions
- Flat cables need less space than round cables
- Smaller bending radii is possible
- Copper braiding screens the cable against electromagnetic interference

Application range

- In crane systems on building sites and shipyards for fixed installation, or for flexible use in cable trolley systems
- Sewage treatment plants, steelworks and high rack facilities
- The application profiles for ÖLFLEX® CRANE and ÖLFLEX® LIFT cables can be found in the appendix, selection table A3
- As a lift control cable: max. 50 m suspension length

Product features

- Flame-retardant according IEC 60332-1-2

Norm references / Approvals

- Based on VDE 0250-809 (NGFLGÖU)

Product Make-up

- Conductors: Finely stranded bare copper
- Core insulation: rubber compound
- Individual core screening consist of
 - plastic foil wrapping
 - tin-plated copper braiding
 - plastic foil wrapping
- Outer sheath: special rubber compound

Technical data



Classification ETIM 5/6

ETIM 5.0/6.0 Class-ID: EC000825
ETIM 5.0/6.0 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

Copper conductor according to VDE 0295/IEC 60228
up to 25 mm²: extra-fine wire, class 6
from 35 mm²: fine wire, class 5



Minimum bending radius

Flexible use: 10 x cable thickness
Fixed installation: 4 x cable thickness



Nominal voltage

U0/U: 300/500 V



Test voltage

2000 V



Protective conductor

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



Temperature range

Flexible use: -25°C to +90°C
Fixed installation: -40°C to +90°C

Article number	Number of cores and mm² per conductor	Outer dimensions, width x height (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® CRANE CF				
0041075	4.0 G 1.5	18.5 x 6.5	79	220
0041076	8.0 G 1.5	36.0 x 7.5	155	470
0041077	12.0 G 1.5	54.5 x 8.5	238	745
0041078	4.0 G 2.5	22.5 x 7.5	141	320
0041079	12.0 G 2.5	69.5 x 9.5	499	1180
0041080	4.0 G 4.0	29.0 x 10.5	219	505
0041081	4.0 G 6.0	31.0 x 10.5	302	605
0041082	4.0 G 10.0	36.0 x 11.5	472	840
0041083	4.0 G 16.0	41.5 x 13.5	687	1180
0041084	4.0 G 25.0	47.0 x 15.0	1114	1605
0041085	4.0 G 35.0	55.0 x 17.0	1482	2520
0041086	4.0 G 50.0	66.0 x 20.5	2238	3000

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

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.

Similar products

- ÖLFLEX® CRANE F refer to page 183
- ÖLFLEX® LIFT F refer to page 185

Accessories

- Cable trolley systems
- FKK Flat cable wedge clamps

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 5/6

ETIM 5.0/6.0 Class-ID: EC000825
ETIM 5.0/6.0 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 mm²: finely stranded/ class 5)



Minimum bending radius

Flexible use: 10 x cable thickness



Nominal voltage

Up to 1.0 mm²: U0/U: 300/500 V
From 1.5 mm²: U0/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 mm²)
-15 °C to +70 °C (as from 1.5 mm²)



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

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

Article number	Number of cores and mm² per conductor	Outer dimensions, width x height (mm)	Copper index (kg/km)	Weight (kg/km)
ÖLFLEX® LIFT F				
Nominal voltage U0/U: 300/500 V, temperature range: 0°C to +70°C				
0042020	12.0 G 1.0	36.0 x 4.7	115	392
0042021	16.0 G 1.0	48.5 x 4.7	153.6	521
0042022	20.0 G 1.0	59.0 x 4.7	192	645
0042023	24.0 G 1.0	71.5 x 4.7	230	772
Nominal voltage U0/U: 450/750 V, temperature range: -15°C to +70°C				
00420013	4.0 G 1.5	15.5 x 5.2	57.6	132
00420023	5.0 G 1.5	19.7 x 5.2	72	170
0042003	7.0 G 1.5	27.0 x 5.2	100.8	236
0042004	8.0 G 1.5	29.0 x 5.2	115	266
0042005	10.0 G 1.5	36.5 x 5.2	144	333
0042006	12.0 G 1.5	42.0 x 5.2	172.8	422
00420073	4.0 G 2.5	19.0 x 5.9	96	206
00420083	5.0 G 2.5	24.0 x 5.9	120	257
0042009	7.0 G 2.5	32.5 x 5.9	168	345
0042010	8.0 G 2.5	35.0 x 5.9	192	390
0042050	12.0 G 2.5	52.5 x 5.9	288	580
00420113	4.0 G 4.0	21.0 x 6.8	153.6	343
0042012	7.0 G 4.0	38.0 x 6.8	268.8	589
00420133	4.0 G 6.0	24.0 x 7.3	230	425
00420143	4.0 G 10.0	30.5 x 9.5	384	709
00420153	4.0 G 16.0	35.0 x 10.8	614	1015
00420163	4.0 G 25.0	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 / Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

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Similar products

- ÖLFLEX® CRANE F refer to page 183

Accessories

- Cable trolley systems
- FKK Flat cable wedge clamps