

ÖLFLEX® CRANE PUR

Reelable polyurethane cables for low, medium and high mechanical stress

ÖLFLEX® CRANE PUR - Low voltage power cable for outdoor use and crane applications/conveyour technology. Reelable, U_0/U : 0,6/1kV

Info

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



Suitable for outdoor use



Good chemical resistance



Halogen-free



Cold-resistant



Mechanical resistance



Low weight



Oil-resistant

Last Update (13.01.2024)

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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 PUR



Optimum strain relief



Space requirement



Power chain



UV-resistant

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, unreeled, and guided by roller trains

In dry or damp interiors, outdoors and 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:

ETIM 5.0 Class-ID: EC000057

ETIM 5.0 Class-Description: Low voltage power cable

Classification ETIM 6:

ETIM 6.0 Class-ID: EC000057

ETIM 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

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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

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.

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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)
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
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	20.2	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	1,180.8	1695
0045242	3x50+3G10	32.1	3500	1728	2307