



## ÖLFLEX® CRANE PUR

Reelable polyurethane cables for low, medium and high mechanical stress



### 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(R) 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
- For connecting mobile equipment in hazardous areas acc. to DIN VDE 0165

### Product make-up

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

**Info**

- Multifunctional application possibilities
- Lightweight due to minimised diameters
- Halogen-free

**Technical data**

**Classification**  
ETIM 5.0 Class-ID: EC000057  
ETIM 5.0 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

**Specific insulation resistance**  
> 10 GOhm x cm

**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**  
U<sub>0</sub>/U: 600/1000 V

**Test voltage**  
3500 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  
Max. cond. temperature: +80 °C

Article number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter (mm)	Tensile strength (N)	Copper index (kg/km)	Weight (kg/km)
<b>ÖLFLEX® CRANE PUR</b>					
0045207	4 G 1.5	10.9	500	57.6	169
0045209	5 G 1.5	11.6	1,000	72.0	197
0045210	7 G 1.5	12.9	2,500	100.8	239
0045211	12 G 1.5	17.6	2,500	172.8	401
0045212	18 G 1.5	17.5	2,500	259.2	507
0045213	24 G 1.5	20.7	2,500	345.6	673
0045215	30 G 1.5	32.5	3,000	432.0	1530
0045214	36 G 1.5	31.4	3,000	518.4	1011
0045216	4 G 2.5	12.2	500	96.0	227
0045218	5 G 2.5	13.2	2,000	120.0	274
0045220	7 G 2.5	15.4	3,000	168.0	358
0045221	12 G 2.5	21.6	3,000	288.0	619
0045222	18 G 2.5	21.5	3,000	432.0	793
0045223	24 G 2.5	25.5	3,000	576.0	1123
0045224	30 G 2.5	34.7	3,000	720.0	1641
0045225	4 G 4	14.3	1,000	153.6	341
0045227	5 G 4	15.5	2,000	192.0	411
0045228	4 G 6	16.6	1,500	230.4	457
0045229	5 G 6	17.7	2,000	288.0	538
0045230	4 G 10	19.2	2,000	384.0	674
0045237	5 G 10	21.6	2,500	480.0	825
0045231	4 G 16	22.2	2,500	614.4	966
0045238	5 G 16	25.6	3,500	768.0	1222
0045232	4 G 25	27.6	3,500	960.0	1506
0045233	4 G 35	31.0	4,500	1,344.0	2004
0045234	4 G 50	36.1	6,000	1,920.0	2838
0045240	3x25+3G6	25.7	2,000	892.8	1380
0045241	3x35+3G6	27.6	2,500	1,180.8	1695
0045242	3x50+3G10	32.1	3,500	1,728.0	2307

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request.  
Copper price basis: EUR 150/100kg. 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](http://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 are not to scale and do not represent detailed images of the respective products.

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