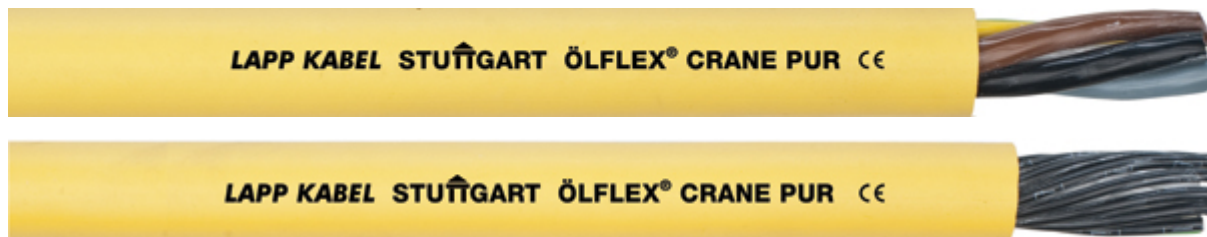


Reelable polyurethane cables for low, medium and high mechanical stress

### Product Description

The significantly minimized outer diameter compared to conventional rubber cables save space and weight; Cost efficiency due to the use of smaller drums, guide rollers as well as drive engines possible; Wherever reeling, unreeling and guiding operations also impose tensile stresses on cables; The concentric supporting element compensates the applied tensile forces and enables the free-hanging cable reeling resp. deflection process over long distances; Integrated supporting braid prevents undesirable cable twists as well as the formation of so-called corkscrew effects



### Application range

- For use in hoists, transport and conveyor systems
- Wherever cables are reeled, unreeling or also guided by roller trains
- In dry and damp rooms, outdoors as well as in industrial water

### Benefits

- The significantly minimized outer diameter compared to conventional rubber cables save space and weight
- Cost efficiency due to the use of smaller drums, guide rollers as well as drive engines possible
- Wherever reeling, unreeling and guiding operations also impose tensile stresses on cables
- The concentric supporting element compensates the applied tensile forces and enables the free-hanging cable reeling resp. deflection process over long distances
- Integrated supporting braid prevents undesirable cable twists as well as the formation of so-called corkscrew effects

### Design

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

## Approvals (Norm references)

- Application profiles for ÖLFLEX® CRANE cables see Appendix, Selection table A3
- Assembly guidelines for ÖLFLEX® CRANE cables see Appendix, Selection table T4

## Product features

- Halogen-free and flame retardant (IEC 60332-1-2)
- Oil resistant according to EN 60811-2-1
- Good chemical, thermal and mechanical resistance
- Suitable for connection of mobile equipment in hazardous areas acc. to DIN VDE 0165

## 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

### 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

### Rated voltage

U0/U: 600/1000 V

### Test voltage

3500 V

### Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

### Current rating

VDE 298 part 4

### Range of temperature

Flexible use: -40°C

Max. cond. temperature: +80°C

## Article List

Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm	Tension load capacity in 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	72.0	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	32.5	3000	432.0	1530
0045214	36 G 1,5	31.4	3000	518.4	1011
0045216	4 G 2,5	12.2	500	96.0	227
0045218	5 G 2,5	13.2	2000	120.0	274
0045220	7 G 2,5	15.4	3000	168.0	358
0045221	12 G 2,5	21.6	3000	288.0	619
0045222	18 G 2,5	21.5	3000	432.0	793
0045223	24 G 2,5	25.5	3000	576.0	1123
0045224	30 G 2,5	34.7	3000	720.0	1641
0045225	4 G 4	14.3	1000	153.6	341
0045227	5 G 4	15.5	2000	192.0	411
0045228	4 G 6	16.6	1500	230.4	457
0045229	5 G 6	17.7	2000	288.0	538
0045230	4 G 10	19.2	2000	384.0	674
0045237	5 G 10	21.6	2500	480.0	825
0045231	4 G 16	22.2	2500	615.0	966
0045238	5 G 16	25.6	3500	768.0	1222
0045232	4 G 25	27.6	3500	960.0	1506
0045233	4 G 35	31.0	4500	1344.0	2004
0045234	4 G 50	36.1	6000	1920.0	2838
0045240	3x25+3G6	25.7	2000	893.0	1380
0045241	3x35+3G6	27.6	2500	1181.0	1695
0045242	3x50+3G10	32.1	3500	1613.0	2307

**Footnote:**

All product related values as shown are nominal values unless specified differently. Further values, e.g. tolerances we submit on request - if available and released for publication.

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](http://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)

Photographs are not to scale and do not represent detailed images of the respective products.