

Shielded TPE-PUR Service Cordage, VDE -registered, for building sites, agriculture and camping

### Product Description

Protected against water and dirt; Fire: Low corrosive smoke emission; Cold flexible; Wear-resistant; EMC compliant



### Application range

- Construction machinery
- Building sites, camp sites
- Agricultural equipment
- Production plants
- For indoor- and outdoor use

### Benefits

- Protected against water and dirt
- Fire: Low corrosive smoke emission
- Cold flexible
- Wear-resistant
- EMC compliant

### Design

- Fine strands of tinned copper wires
- Core insulation: TPE
- Inner sheath: TPE
- tinned copper braid
- Polyurethane sheath (PUR)
- Yellow (RAL 1016)

### Product features

- Oil resistant and adhesion-free
- Abrasion and cut resistant
- Hydrolysis-resistant
- halogen free
- Flame retardant (IEC 60332-1-2)

## Technical Data

### Core identification code

Colour coded, according to VDE 0293, see Appendix T9

(7-core with printed numbering)

### Specific insulation resistance

> 20 GOhm x cm

### Conductor stranding

Fine wire in accordance to VDE 0295 Class 5 / IEC 60228 Class 5

### Minimum bending radius

Occasional flexing: 12.5 x cable diameter  
Fixed installation : 6 x cable diameter

### Rated voltage

Up to 1.0mm<sup>2</sup> 300/500 V  
From 1.5mm<sup>2</sup> 450/750 V

### Test voltage

3000 V

### Protective conductor

G = with protective conductor GN/YE

X = without protective conductor

### Range of temperature

Occasional flexing: -40 °C up to +90 °C

Fixed installation: -50°C up to +90°C

### VDE tested

Up to 1.0 mm<sup>2</sup>: VDE-Reg. No. 6583

Starting at 1.5 mm<sup>2</sup>: VDE-Reg. No. 6584

## Article List

Part number	Number of cores and mm <sup>2</sup> per conductor	Outer diameter in mm	Copper index kg/km	Weight kg/km
ÖLFLEX® 540 CP U0/U: 300/500 V				
0012752	2 X 0,75	8,6	43.9	103
0012753	3 G 0,75	9,6	67.6	140
00127553	5 G 0,75	10,7	75.0	164
0012757	2 X 1,0	9,6	65.2	138
0012758	3 G 1,0	10.0	74.9	153
00127603	5 G 1,0	11,2	87.2	184
0012761	7 G 1,0	13,9	138.5	281
ÖLFLEX® 540 CP U0/U: 450/750 V				
0012762	2 X 1,5	10,6	67.7	159
0012763	3 G 1,5	11,1	82.3	181
00127643	4 G 1,5	12,1	101.8	218
00127653	5 G 1,5	13,7	143.3	287
0012766	7 G 1,5	16,7	195.7	394
0012767	2 X 2,5	12,2	92.4	213
0012768	3 G 2,5	13,4	119.0	263

00127693	4 G 2,5	14,6	168.2	334
00127703	5 G 2,5	16,6	204.7	416
00127753	4 G 4	17,4	240.1	476
00127783	4 G 6	19,2	355.5	634
00127793	5 G 6	20,9	452.9	770
00127813	4 G 10	23,6	577.8	993
00127823	5 G 10	25,5	681.2	1151

**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  $\leq$  30 kg and  $\leq$  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.