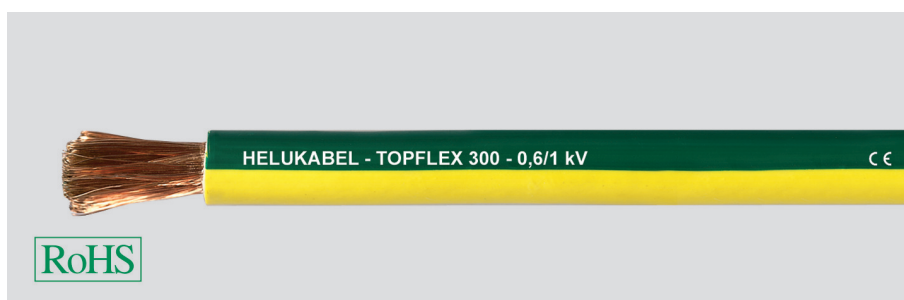
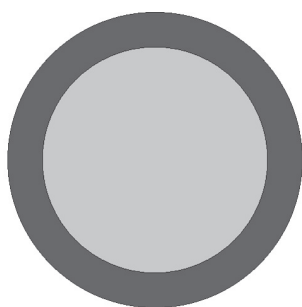


# TOPFLEX® 300 high flexible PVC single core, 0,6/1 kV for drag chain and free move application



## Technical data

- Special PVC single-core cable with oil-resistant insulation based on DIN VDE 0285-525-2-31 / DIN EN 50525-2-31
- **Temperature range**  
flexing -5°C to +80°C  
fixed installation -40°C to +80°C
- **Nominal voltage**  
U<sub>0</sub>/U 600/1000 V
- **A.C. test voltage**, 50 Hz  
3000 V
- **Insulation resistance**  
min. 20 MOhm/km
- **Minimum bending radius**  
for flexible installation  
7,5 cable Ø

## Cable structure

- Bare copper, extra fine wire conductor to DIN VDE 0295 cl.6 and IEC 60228 cl.6
- Oil-resistant special PVC insulation
- Colour see table, or as desired
- If this cable is to be double-insulated, then its external diameter and weight must be adapted.
- Caution with existing cables.

## Properties

- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- Chemical resistance see table Technical Information

## Application

Thanks to their outstanding alternating bending stress characteristics, these cables are ideally suited for use in drag chains, and also for use in handling devices, robots, and nearly any area requiring flexible used and free motion. Due to its resistance to mineral oils these cables are well suited for use in mechanical engineering, tool making, and systems engineering, and in steel mills and rolling mills in particularly critical areas. Suitable for installation in dry, damp and wet environments. With the black sheath, can also be used outdoors.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

### TOPFLEX® 300 black

| Part no. | No. cores x cross-sec. mm² | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km | AWG-No.   |
|----------|----------------------------|-----------------|---------------------|---------------------|-----------|
| 79623    | 1 x 2,5                    | 4,2             | 24,0                | 42,0                | 14        |
| 79624    | 1 x 4                      | 5,1             | 38,4                | 58,0                | 12        |
| 79625    | 1 x 6                      | 6,0             | 57,6                | 85,0                | 10        |
| 79626    | 1 x 10                     | 7,4             | 96,0                | 130,0               | 8         |
| 75431    | 1 x 16                     | 8,8             | 154,0               | 210,0               | 6         |
| 75432    | 1 x 25                     | 10,7            | 240,0               | 300,0               | 4         |
| 75433    | 1 x 35                     | 12,1            | 336,0               | 420,0               | 2         |
| 70519    | 1 x 50                     | 14,0            | 480,0               | 580,0               | 1         |
| 75434    | 1 x 70                     | 16,3            | 672,0               | 780,0               | 2/0       |
| 73714    | 1 x 95                     | 18,3            | 912,0               | 1010,0              | 3/0       |
| 75435    | 1 x 120                    | 20,0            | 1152,0              | 1200,0              | 4/0       |
| 75436    | 1 x 150                    | 23,0            | 1440,0              | 1600,0              | 300 kcmil |
| 72872    | 1 x 185                    | 24,8            | 1776,0              | 2030,0              | 350 kcmil |
| 75437    | 1 x 240                    | 28,7            | 2304,0              | 2600,0              | 500 kcmil |

### TOPFLEX® 300 red

| Part no. | No. cores x cross-sec. mm² | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km | AWG-No. |
|----------|----------------------------|-----------------|---------------------|---------------------|---------|
| 79631    | 1 x 2,5                    | 4,2             | 24,0                | 42,0                | 14      |
| 79632    | 1 x 4                      | 5,1             | 38,4                | 58,0                | 12      |
| 79633    | 1 x 6                      | 6,0             | 57,6                | 85,0                | 10      |
| 79634    | 1 x 10                     | 7,4             | 96,0                | 130,0               | 8       |
| 78106    | 1 x 16                     | 8,8             | 154,0               | 210,0               | 6       |
| 78107    | 1 x 25                     | 10,7            | 240,0               | 300,0               | 4       |
| 78108    | 1 x 35                     | 12,1            | 336,0               | 420,0               | 2       |
| 70518    | 1 x 50                     | 14,0            | 480,0               | 580,0               | 1       |
| 78109    | 1 x 70                     | 16,3            | 672,0               | 780,0               | 2/0     |
| 78110    | 1 x 95                     | 18,3            | 912,0               | 1010,0              | 3/0     |
| 78111    | 1 x 120                    | 20,0            | 1152,0              | 1200,0              | 4/0     |

### TOPFLEX® 300 green-yellow

| Part no. | No. cores x cross-sec. mm² | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km | AWG-No.   |
|----------|----------------------------|-----------------|---------------------|---------------------|-----------|
| 79627    | 1 G 2,5                    | 4,2             | 24,0                | 42,0                | 14        |
| 79628    | 1 G 4                      | 5,1             | 38,4                | 58,0                | 12        |
| 79629    | 1 G 6                      | 6,0             | 57,6                | 85,0                | 10        |
| 79630    | 1 G 10                     | 7,4             | 96,0                | 130,0               | 8         |
| 75438    | 1 G 16                     | 8,8             | 154,0               | 210,0               | 6         |
| 75439    | 1 G 25                     | 10,7            | 240,0               | 300,0               | 4         |
| 75440    | 1 G 35                     | 12,1            | 336,0               | 420,0               | 2         |
| 70536    | 1 G 50                     | 14,0            | 480,0               | 580,0               | 1         |
| 75441    | 1 G 70                     | 16,3            | 672,0               | 780,0               | 2/0       |
| 75442    | 1 G 95                     | 18,3            | 912,0               | 1010,0              | 3/0       |
| 73885    | 1 G 120                    | 20,0            | 1152,0              | 1200,0              | 4/0       |
| 75443    | 1 G 150                    | 23,0            | 1440,0              | 1600,0              | 300 kcmil |
| 75444    | 1 G 185                    | 24,8            | 1776,0              | 2030,0              | 350 kcmil |
| 75445    | 1 G 240                    | 28,7            | 2304,0              | 2600,0              | 500 kcmil |

### TOPFLEX® 300 blue

| Part no. | No. cores x cross-sec. mm² | Outer Ø app. mm | Cop. weight kg / km | Weight app. kg / km | AWG-No. |
|----------|----------------------------|-----------------|---------------------|---------------------|---------|
| 79635    | 1 x 2,5                    | 4,2             | 24,0                | 42,0                | 14      |
| 79636    | 1 x 4                      | 5,1             | 38,4                | 58,0                | 12      |
| 79637    | 1 x 6                      | 6,0             | 57,6                | 85,0                | 10      |
| 79638    | 1 x 10                     | 7,4             | 96,0                | 130,0               | 8       |
| 78112    | 1 x 16                     | 8,8             | 154,0               | 210,0               | 6       |
| 78113    | 1 x 25                     | 10,7            | 240,0               | 300,0               | 4       |
| 78114    | 1 x 35                     | 12,1            | 336,0               | 420,0               | 2       |
| 78115    | 1 x 50                     | 14,0            | 480,0               | 580,0               | 1       |
| 78116    | 1 x 70                     | 16,3            | 672,0               | 780,0               | 2/0     |
| 78117    | 1 x 95                     | 18,3            | 912,0               | 1010,0              | 3/0     |
| 73884    | 1 x 120                    | 20,0            | 1152,0              | 1200,0              | 4/0     |

Dimensions and specifications may be changed without prior notice.