



D

## Technical data

- Special PVC-insulated sheathed cable
- Based on DIN VDE 0293, 0295
- **Temperature range**  
flexing -5 °C to +80 °C  
fixed installation -40 °C to +80 °C
- **Nominal voltage**  $U_0/U$  600/1000 V
- **Test voltage** 4000 V
- **Breakdown voltage**  
min. 8000V
- **Insulation resistance**  
min. 20 MOhm x km
- **Minimum bending radius**  
flexing approx. 7,5x cable  $\varnothing$   
fixed installation approx. 4x cable  $\varnothing$
- **Radiation resistance**  
up to  $80 \times 10^6$  cJ/kg (to 80 Mrad)

## Cable structure

- Finely stranded, plain Cu wire conductor according to VDE 0295 cl. 5 and IEC 60228 cl. 5
- PVC core insulation
- Cores black with sequential numbering imprinted in white, according to DIN VDE 0293
- Earth core green-yellow
- Cores stranded in layers with optimal lay-length
- Special-PVC-insulated outer jacket
- Colour grey (RAL 7001)
- with meter marking, change-over in 2011

## Properties

- PVC outer jacket: extensively oil resistant  
Chemical Resistance - see table Technical Informations
- Flame retardant and self-extinguishing, test method B according to DIN VDE 0472 part 804 and IEC 60332-1
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Note

- For use in drag chains, we recommend our versions TOPFLEX® 611-PUR and TOPFLEX® 611-C-PUR.
- **screened analogue type:**  
**TOPFLEX® 600-C-PVC**, see page D 6

## Application

As supply cable for electronically controlled servo-motors and connections to DNC motors. The cable is suitable for permanent and flexible installation for medium mechanical loads in dry, damp and wet environments.

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

| Part no. | No. cores x cross-sec. mm <sup>2</sup> | Outer $\varnothing$ approx. mm | Cop. weight kg / km | Weight approx. kg / km | AWG-No. |
|----------|--|--------------------------------|---------------------|------------------------|---------|
| 22860    | 4 G 1,5                                | 9,6                            | 58,0                | 130,0                  | 16      |
| 22861    | 4 G 2,5                                | 11,2                           | 95,0                | 220,0                  | 14      |
| 22862    | 4 G 4                                  | 13,0                           | 154,0               | 330,0                  | 12      |
| 22863    | 4 G 6                                  | 14,5                           | 231,0               | 445,0                  | 10      |
| 22864    | 4 G 10                                 | 18,2                           | 384,0               | 660,0                  | 8       |
| 22865    | 4 G 16                                 | 22,3                           | 615,0               | 1060,0                 | 6       |

| Part no. | No. cores x cross-sec. mm <sup>2</sup> | Outer $\varnothing$ approx. mm | Cop. weight kg / km | Weight approx. kg / km | AWG-No. |
|----------|--|--------------------------------|---------------------|------------------------|---------|
| 22866    | 4 G 25                                 | 27,4                           | 960,0               | 1805,0                 | 4       |
| 22867    | 4 G 35                                 | 30,0                           | 1344,0              | 2060,0                 | 2       |
| 22868    | 4 G 50                                 | 35,8                           | 1920,0              | 2900,0                 | 1       |
| 22869    | 4 G 70                                 | 40,9                           | 2640,0              | 4050,0                 | 2/0     |
| 22854    | 4 G 95                                 | 46,2                           | 3648,0              | 5540,0                 | 3/0     |
| 22855    | 4 G 120                                | 51,6                           | 4608,0              | 7000,0                 | 4/0     |

Dimensions and specifications may be changed without prior notice. (RD01)