



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<sub>0</sub>/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 ø  
fixed installation approx. 4x cable ø
- **Radiation resistance**  
up to 80x10<sup>6</sup> 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 Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.	Part no.	No.cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
22860	4 G 1,5	9,6	58,0	130,0	16	22866	4 G 25	27,4	960,0	1805,0	4
22861	4 G 2,5	11,2	95,0	220,0	14	22867	4 G 35	30,0	1344,0	2060,0	2
22862	4 G 4	13,0	154,0	350,0	12	22868	4 G 50	35,8	1920,0	2900,0	1
22863	4 G 6	14,5	231,0	445,0	10	22869	4 G 70	40,9	2640,0	4050,0	2/0
22864	4 G 10	18,2	384,0	660,0	8	22854	4 G 95	46,2	3648,0	5540,0	3/0
22865	4 G 16	22,3	615,0	1060,0	6	22855	4 G 120	51,6	4608,0	7000,0	4/0

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