



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** U₀/U 600/1000 V
- **Test voltage** 4000 V
- **Breakdown voltage**
min. 8000V
- **Coupling resistance**
max. 250 Ohm/km
- **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 80x10⁶ 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
- PVC inner jacket
- Tinned copper braided screening, coverage approx. 85%
- 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 to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers
- Applications as described above with additional compliance with electromagnetic compatibility (EMC compatibility) requirements on account of the 90% coverage by the braided screening

Note

- For use in drag chains, we recommend our versions TOPFLEX® 611-PUR and TOPFLEX® 611-C-PUR.
- **unscreened analogue type:**
TOPFLEX® 600-PVC, see page D 4

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 ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
22960	4 G 1,5	11,8	99,0	250,0	16
22961	4 G 2,5	13,8	169,0	360,0	14
22962	4 G 4	15,7	234,0	530,0	12
22963	4 G 6	17,3	316,0	620,0	10
22964	4 G 10	21,5	549,0	1050,0	8
22965	4 G 16	26,1	807,0	1465,0	6

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
22966	4 G 25	31,7	1169,0	1920,0	4
22967	4 G 35	34,5	1680,0	2515,0	2
22856	4 G 50	40,7	2370,0	3315,0	1
22857	4 G 70	46,0	3257,0	4600,0	2/0
22858	4 G 95	51,3	4060,0	6060,0	3/0
22859	4 G 120	56,4	5231,0	7315,0	4/0

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