

TOPFLEX® 600-C-PVC motor power supply cable 0,6/1kV, EMC preferred type, meter marking



Technical data

- Special PVC-insulated sheathed cable adapted to DIN VDE 0293, 0295
- **Temperature range**
flexing -15°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. 8000 V
- **Coupling resistance**
max. 250 Ohm/km
- **Insulation resistance**
min. 20 MOhm x km
- **Minimum bending radius**
flexing 7,5x cable \varnothing
fixed installation 4x cable \varnothing
- **Radiation resistance**
up to 80×10^6 cJ/kg (to 80 Mrad)

Cable structure

- Bare copper-conductor, to DIN VDE 0295 cl.5, fine-wire, IEC 60228 cl.5
- Core insulation of PVC
- Core identification to DIN VDE 0293 black cores with continuous white numbering
- GN-YE conductor
- Cores stranded in layers with optimal lay-length
- Inner sheath of
- Tinned copper braided screen, approx. 85% coverage
- Outer sheath of special PVC
- Colour grey (RAL 7001)
- with meter marking

Properties

- PVC outer sheath largely oil resistant, for Chemical Resistance - see table Technical Informations
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Tests

- 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)

Note

- For use in drag chains, we recommend our versions TOPFLEX® 611-PUR and TOPFLEX® 611-C-PUR
- unscreened analogue type:
TOPFLEX® 600-PVC, confer page 197

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.

EMC = Electromagnetic compatibility

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

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

Part no.	No. cores x cross-sec. mm ²	Outer \varnothing 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 \varnothing 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)



Suitable accessories can be found in Chapter X.

- Cable Gland - HELUTOP® HT-MS-EP4