TOPFLEX® 600-PVC motor power supply cable 0,6/1kV, 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
- **Insulation resistance** min. 20 MOhm x km
- **Minimum bending radius** flexing 7,5x cable Ø fixed installation 4x cable Ø
- **Radiation resistance** up to 80x10^6 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
- Outer sheath of special PVC
- Sheath colour grey (RAL 7001)
- with meter marking

Properties

- PVC outer sheath: extensively oil resistant 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
- screened analogue type: **TOPFLEX® 600-C-PVC**

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/EC.

Part no.	No.cores x cross-sec. mm²	Outer Ø app. mm	Cop. weight kg / km	Weight app. 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. mm²	Outer Ø app. mm	Cop. weight kg / km	Weight app. 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)