

# TOPFLEX® 611-C-PUR Motor power supply cable 0,6/1kV, halogen-free, meter marking



## Technical data

- Special-PUR drag chain cable Based on DIN VDE 0293, 0295, 0250, 0281
- **Temperature range**  
flexing -30 °C to +80 °C  
fixed installation -50 °C to +90 °C
- **Nominal voltage** U<sub>0</sub>/U 600/1000 V
- **Test voltage** 4000 V
- **Coupling resistance**  
max. 250 Ohm/km
- **Insulation resistance**  
min. 20 MOhm x km
- **Min. bending radius**  
flexing 10x cable ø  
fixed installation 5x cable ø

## Cable structure

- Bare copper, ultra-fine wire conductors acc. to DIN VDE 0295 cl. 6, BS 6360 cl. 6 and/or IEC 60228 cl. 6
- TPE-core insulation
- Cores black with sequential numbering imprinted in white, according to DIN VDE 0293
- Green-yellow earth core
- Cores stranded together with optimal lay-length and stabilising filler
- Fleece wrapping facilitates sliding
- PUR-insulated outer jacket
- TPE inner jacket
- Tinned copper braided screening, coverage approx. 85%
- Sheath colour grey (RAL 7001)
- with meter marking, change-over in 2011

## Properties

- Adhesion-free, extremely abrasion resistant, halogen-free, flame retardant, resistant to hydrolysis and microbial attack
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers
- PUR-jacket flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

## Note

- For extreme applications extending beyond standard solutions we recommend that you request our questionnaire, which has been especially designed for energy supply systems.
- Please observe applicable installation regulations for use in energy supply chains.
- **unscreened analogue type:**  
**TOPFLEX® 611-PUR**, see page D 5

## Application

As optimized supply cable for the supply to motors, in particular to DNC motors, servo-motors. These cables are specially designed for use in power drag chains, handling equipment, robotics, tooling machinery, processing and manufacturing machinery. Optimised insulation materials ensure resistance to oils (including mineral oils), greases, coolants, hydraulic fluids as well as many alkalis and solvents. Favourable outer diameters, reduced weights and enhanced torsion characteristics assure the use in multi-layer operations with extremely high continuous bending loads. Suitable for outdoor use.

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.
22970	4 G 1,5	11,3	99,0	220,0	16
22971	4 G 2,5	13,5	169,0	340,0	14
22972	4 G 4	16,0	234,0	490,0	12
22973	4 G 6	17,8	316,0	680,0	10
22974	4 G 10	22,2	549,0	1035,0	8
22975	4 G 16	27,2	807,0	1460,0	6

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.
22976	4 G 25	31,2	1169,0	1990,0	4
22977	4 G 35	35,2	1680,0	2535,0	2
22982	4 G 50	42,5	2370,0	3360,0	1
22983	4 G 70	48,8	3257,0	4650,0	2/0
22984	4 G 95	54,6	4060,0	6090,0	3/0
22985	4 G 120	58,5	5231,0	7380,0	4/0

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