

TOPFLEX® 611-C-PUR Motor power supply cable for drag chains 0,6/1kV, EMC preferred type, halogen-free, meter marking



Technical data	Cable structure	Properties
Special-PUR drag chain cable adapted to DIN VDE 0293, 0295, 0550, DIN VDE 0285-525-1 / DIN EN 50525-1	Bare copper-conductor, to DIN VDE 0295 cl. 6, extra fine-wire, BS 6360 cl.6, IEC 60228 cl. 6	Adhesion-free, extremely abrasion resistant, halogen-free, resistant to hydrolysis and microbial attack
Temperature range	Core insulation PP	resistant to UV-radiation, oxygen and ozone
flexing -30°C to + 80°C	Core identification to DIN VDE 0293	The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers
fixed installation -40°C to +80°C	black cores with continuous white numbering	
Nominal voltage $U_0/U$ 600/1000 V	GN-YE conductor	
Test voltage 4000 V	Cores stranded together with optimal lay-length and stabilising filler	
Coupling resistance	Fleece wrapping facilitates sliding	
max. 250 Ohm x km	Inner sheath of TPE	
Insulation resistance	Tinned copper braided screen, approx. 85% coverage	
min. 20MOhm x km	Outer sheath of PUR	
Min. bending radius	Sheath colour grey (RAL 7001) with meter marking	
flexing 10x cable Ø		
fixed installation 5x cable Ø		
		<b>Note</b> G = with green-yellow conductor 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 intallation regulations for use in energy supply chains. unscreened analogue type: TOPFLEX® 611-PUR

## 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. Favorable 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.

EMC = Electromagnetic compatibillity

To optimize the EMC features we recommend a large round contact of the copper brading 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 <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
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