

PVC servo cables · shielded

LÜTZE-SILFLEX® M (C)Y PVC Motor Cables With or without shielded control pair



Application

- Motor supply cable in machine and device construction, transport and conveyor technology, heating, climate technology
- In dry and moist rooms
- Cables with integrated, shielded measurement circuit cable for motor protector devices
- For flexible application without compulsory guide

Properties

- High active and passive interference resistance (EMC)
- PVC Flame-retardant, self-extinguishing
- Outer jacket special PVC TI2 according to HD 21.1
- Widely resistant to acids and bases (see tech. information)
- Free from paint wetting disruptive substances (LABS-free), RoHS-compliant

Technical data

Voltage	
U ₀ /U	300/500 V – (0,6/1kV)
Test voltage	3000 V
Isolation resistance	min. 20 MΩ × km
Temperature range	
moving	-5 °C to +70 °C
fixed	-25 °C to +70 °C
Minimum bending radius	
moving	Cable diameter × 12
fixed	Cable diameter × 6
Burning behaviour	Flame-retardant according to VDE 0482 T 265-2-1;

Design

- Bare copper wire, multi-strand according to DIN VDE 0295 Kl. 5 or IEC 60228 cl. 5
 - Special PVC conductor insulation
 - Conductors black with white number print according to DIN EN 50334
 - Ground conductor green/yellow according to DIN EN 50334 in the top layer
 - Conductors stranded layers
 - PVC inside jacket (conductors without brake pair)
 - Meshwork from tinned copper wire braid, optical covering ≥ 85 %
 - Jacket special PVC TM2 according to HD21.1, matt, adhesion-free surface
 - Jacket colour grey RAL 7001
- motor cables without control pair also deliverable in black

Part-No.	Number of strands/cross-section	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
with control pair, with inside jacket				
116194	(4 × 1,5) 0,6/1kV	11.6	26.3	10.1
116195	(4 × 2,5) 0,6/1kV	13.8	42.3	16.8
116196	(4 × 4) 0,6/1kV	15.3	58.9	24.5
116197	(4 × 6) 0,6/1kV	17.9	73.5	32.7
116198	(4 × 10) 0,6/1kV	21.4	115.6	50.6
116199	(4 × 16) 0,6/1kV	25.0	163.2	75.4
116193	(4 × 25) 0,6/1kV	29.9	216.1	111.9
with control pair, without inside jacket				
108241	(4 × 1,0 + (2 × 1,0))	11.8	14.0	12.7
101396	(4 × 1,5 + (2 × 0,5))	12.7	16.0	12.5
101427	(4 × 1,5 + (2 × 1,0))	14.7	22.0	17.0
101402	(4 × 2,5 + (2 × 0,5))	13.3	23.5	16.6
101428	(4 × 2,5 + (2 × 1,0))	16.5	25.5	22.1
101445	(4 × 0,75 + 2 × (2 × 0,34 StC))	11.6	20.5	10.7
101365	(4 × 1,5 + 2 × (2 × 0,34 StC))	12.2	22.0	15.2
101667	(4 × 1,5 + 2 × (2 × 0,75)) 0,6/1kV	13.4	25.5	16.7

CE These products are in conformity with the EC Low Voltage Directive 73/23/EWG or 93/68/EWG

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