

PVC servo cables

LÜTZE-SILFLEX® M (C)Y PVC motor cables 0.6/1 kV With or without shielded control pair(s)



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 TM5 according to HD 21.1
- Largely resistant to acids and bases (see tech. information)
- Free from paint wetting impairment substances (LABS-free), RoHS-compliant

Technical data

Voltage	
U ₀ /U	0.6/1 kV
Test voltage	4000 V
Insulation 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 × 10
fixed	Cable diameter × 6
Burning behaviour	Flame-retardant according to VDE 0482 part 265-2; DIN EN 50265-2; IEC 60332-1

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 greenyellow according to DIN EN 50334
G = with greenyellow ground conductor; × = without ground conductor
- Control pair(s) (black; white) or (5,6) (7,8)
control pair(s) with braided shield and foil banding
- Meshwork from tinned copper wire braid, optical covering ≥ 85 %
- Jacket special PVC TM5 according to HD21.1, matt, adhesion-free surface
- Jacket colour orange RAL 2003 or grey RAL 7001

Part-No.	Number of strands/cross-section	Jacket colour	Outer-Ø approx. mm	Weight kg/100 m	Cu-Index kg/100 m
without control pair, without inside jacket					
116260	(4G1.5)	orange	9.8	26.3	10.1
116261	(4G2.5)	orange	11.3	42.3	16.8
116262	(4G4)	orange	13.4	58.9	24.4
116263	(4G6)	orange	14.9	73.5	32.7
116264	(4G10)	orange	18.8	115.6	50.6
116265	(4G16)	orange	21.5	163.2	75.4
116266	(4G25)	orange	26.0	216.1	111.9
with control pair, with inside jacket					
116194	(4G1.5)	grey	9.6	26.3	10.1
116195	(4G2.5)	grey	13.8	42.3	16.8
116196	(4G4)	grey	15.3	58.9	24.4
116198	(4G10)	grey	21.4	115.6	50.6
with control pair, without inside jacket					
101399	(4G1.5+(2×1.5))	orange	12.5	24.6	15.3
108299	(4G2.5+(2×1.5))	orange	14.1	32.4	20.8
108500	(4G4+(2×1.5))	orange	15.8	41.5	27.4
108300	(4G6+(2×1.5))	orange	16.7	52.7	35.9
108501	(4G10+(2×1.5))	orange	19.1	75.4	52.0
108502	(4G16+(2×1.5))	orange	21.0	102.7	75.9
108503	(4G25+(2×1.5))	orange	28.5	156.0	115.4
108504	(4G3+(2×1.5))	orange	31.8	201.7	155.5
with two control pairs, without inside jacket					
101667	(4G1.5+2×(2×0.75)StC)	orange	14.5	32.5	19.4
108506	(4G2.5+2×(2×0.75)StC)	orange	15.6	38.7	23.3
108507	(4G4+2×(2×1.0)StC)	orange	17.3	49.6	30.9
108508	(4G6+2×(2×1.0)StC)	orange	18.4	60.1	39.4
108509	(4G10+2×(2×1.0)StC)	orange	22.5	86.0	56.4
108510	(4G16+2×(2×1.5)StC)	orange	23.4	114.4	82.2
108511	(4G25+2×(2×1.5)StC)	orange	26.5	160.0	118.4
108512	(4G35+2×(2×1.5)StC)	orange	34.1	208.5	159.3

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

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