

SERVO MOTOR CABLES



SL 812 C PVC motor connection cable with overall copper screen 0.6/1 kV

KSKES · D-VIERSEN · SL 812 C 0,6/1 kV 4 x 1,5 mm² CE



Marking for SL 812 C 08120415:

SAB BRÖCKSKES · D-VIERSEN · SL 812 C 0,6/1 kV 4 x 1,5 mm² CE

SL 812 C is a flexible, tinned copper shielded motor connection cable for DNC motors. This cable is used in automation technology, control and product engineering, machine and industrial motor drive systems, as well as power supply cable between frequency converter and servo motor. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	PVC, TI2 acc. to DIN VDE 0281 part 1 + HD 21.1
Color code:	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	in layers
Inner jacket:	PVC
Screen:	tinned copper braiding
Jacket material:	PVC, TM2 acc. to DIN VDE 0281 part 1 + HD 21.1
Jacket color:	gray

Technical data:

Nominal voltage:	U ₀ /U 0.6/1 kV
Testing voltage U:	4000 V conductor/screen 2000 V
Min. bending radius	
<i>fixed installation:</i>	5 x O.D.
<i>free movement:</i>	10 x O.D.
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature range	
<i>static:</i>	-40/+70 °C
<i>flexing:</i>	+5/+70 °C
Oil resistance:	acc. to internal standard, see page N/25
Chem. resistance:	see page N/9
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

Outstanding features:

- very good EMC characteristics
- high functionality
- good handling

item no.	no. of conductors incl. ground	nominal outer-ø inch ±10%	mm ±10%	cable weight ≈ lbs/mft
▶ 16 AWG (27-29/30) • 1.50 mm²				
08120415	4	0.520	13.2	179
08120515	5	0.571	14.5	214
▶ 14 AWG (46/36) • 2.50 mm²				
08120425	4	0.606	15.4	251
08120525	5	0.650	16.5	288
▶ 12 AWG (52/28) • 4.00 mm²				
08120440	4	0.697	17.7	334
08120540	5	0.744	18.9	397

item no.	no. of conductors incl. ground	nominal outer-ø inch ±10%	mm ±10%	cable weight ≈ lbs/mft
▶ 10 AWG (78/28) • 6.00 mm²				
08120460	4	0.744	18.9	415
08120560	5	0.799	20.3	485
▶ 8 AWG (77/26) • 10.00 mm²				
08120470	4	0.925	23.5	639
08120570	5	1.000	25.4	757
▶ 6 AWG (119/26) • 16.00 mm²				
08120480	4	1.059	26.9	880
08120580	5	1.150	29.2	1052

item no.	no. of conductors incl. ground	nominal outer-ø inch ±10%	mm ±10%	cable weight ≈ lbs/mft
▶ 4 AWG (169/26) • 25.00 mm²				
08120490	4	1.260	32.0	1304
08120590	5	1.390	35.3	1642
▶ 2 AWG (280/26) • 35.00 mm²				
08120495	4	1.425	36.2	1773
▶ 1 AWG (400/26) • 50.00 mm²				
08120496	4	1.575	40.0	2314

Other dimensions and colors are possible on request.



for DNC motors
on frequency
converters