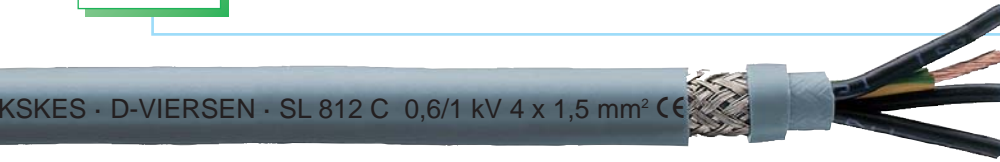


SERVO MOTOR CABLES



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



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, T12 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/27
Chem. resistance:	see page N/9
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

Outstanding features:

- very good EMC characteristics
- high functionality
- good handling

item no.	no. of conductors incl. ground	nominal outer-ø inch ±10%	nominal outer-ø mm ±10%	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch ±10%	nominal outer-ø mm ±10%	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch ±10%	nominal outer-ø mm ±10%	cable weight ≈ lbs/mft
▶ 16 AWG (≈ 27-29/30) • 1.50 mm ²					▶ 10 AWG (≈ 78/28) • 6.00 mm ²					▶ 4 AWG (≈ 190/26) • 25.00 mm ²				
08120415	4	0.472	12.0	156	08120460	4	0.657	16.7	350	08120490	4	1.157	29.4	1171
08120515	5	0.508	12.9	194	08120560	5	0.713	18.1	413	08120590	5	1.272	32.3	1402
▶ 14 AWG (≈ 46/36) • 2.50 mm ²					▶ 8 AWG (≈ 77/26) • 10.00 mm ²					▶ 2 AWG (≈ 272/26) • 35.00 mm ²				
08120425	4	0.528	13.4	202	08120470	4	0.823	20.9	556	08120495	4	1.307	33.2	1550
08120525	5	0.579	14.7	246	08120570	5	0.898	22.8	598	▶ 1 AWG (≈ 400/26) • 50.00 mm ²				
▶ 12 AWG (≈ 52/28) • 4.00 mm ²					▶ 6 AWG (≈ 122/26) • 16.00 mm ²					08120496 4 1.476 37.5 1882				
08120440	4	0.594	15.1	276	08120480	4	0.972	24.7	790	Other dimensions and colors are possible on request.				
08120540	5	0.657	16.7	330	08120580	5	1.063	27.0	936					



for DNC motors
on frequency
converters