

suitable for
cable tracks

SERVO MOTOR CABLES



SL 811 PUR motor connection cable with PVC conductors 0.6/1 kV

KSKES · D-VIERSEN · SL 811 0,6/1 kV 4 x 1,5 mm² CE



Marking for SL 811 08110415:

SAB BRÖCKSKES · D-VIERSEN · SL 811 0,6/1 kV 4 x 1,5 mm² CE

The SL 811 is a very flexible, continuous flex motor power supply cable which has been designed for automated servo systems. This cable is ideally suited for automated applications, such as cable tracks, automated handling equipment, pick-and place units, gantry robots, machine tools, and other continuous movement applications.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
Insulation:	PVC Tl2 acc. to DIN VDE 0281 part 1 + HD 21.1
Color code:	black conductors with consecutive numbers acc. to EN 50334 and a green-yellow earth wire
Stranding:	in layers
Wrapping:	non-woven tape
Jacket material:	PUR, TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
Jacket color:	gray

Outstanding features:

- flexible
- rugged jacket
- oil resistant

Technical data:

Nominal voltage:	U ₀ /U 0.6/1 kV
Testing voltage U:	4000 V
Min. bending radius	
<i>fixed installation:</i>	4 x O.D.
<i>free movement:</i>	6 x O.D.
<i>for continuous flexing:</i>	10 x O.D.
Radiation resistance:	5 x 10 ⁷ cJ/kg
Temperature range	
<i>static:</i>	-40/+70 °C
<i>flexing:</i>	+5/+70 °C
Oil resistance:	very good - PUR TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

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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 (≈ 84/34) • 1.50 mm ²					▶ 10 AWG (≈ 186/32) • 6.00 mm ²					▶ 4 AWG (≈ 760/32) • 25.00 mm ²				
08110415	4	0.366	9.3	84	08110460	4	0.579	14.7	239	08110490	4	1.031	26.2	872
08110515	5	0.417	10.6	103	08110560	5	0.657	16.7	302	08110590	5	1.138	28.9	1073
▶ 14 AWG (≈ 140/34) • 2.50 mm ²					▶ 8 AWG (≈ 320/32) • 10.00 mm ²					▶ 2 AWG (≈ 1083/32) • 35.00 mm ²				
08110425	4	0.437	11.1	128	08110470	4	0.728	18.5	404	08110495	4	1.161	29.5	1177
08110525	5	0.504	12.8	155	08110570	5	0.803	20.4	497	▶ 1 AWG (≈ 703/28) • 50.00 mm ²				
▶ 12 AWG (≈ 224/34) • 4.00 mm ²					▶ 6 AWG (≈ 504/32) • 16.00 mm ²					08110496 4 1.378 35.0 1628				
08110440	4	0.508	12.9	180	08110480	4	0.862	21.9	579	Other dimensions and colors are possible on request.				
08110540	5	0.559	14.2	213	08110580	5	0.969	24.6	725					

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Web site: www.sabcable.com