

extremely long service life

SERVO MOTOR CABLES



SL 820 PUR motor connection cable with TPE conductors 0.6/1 kV

BRÖCKSKES · D-VIERSEN · SL 820 0,6/1 kV 4 x 1,5 mm² CE



Marking for SL 820 C 08200415:

SAB BRÖCKSKES · D-VIERSEN · SL 820 0,6/1 kV 4 x 1,5 mm² CE

The SL 820 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:	TPE 510
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, TPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
Jacket color:	orange

Outstanding features:

- very high flexibility
- suitable for cable tracks
- oil resistant
- very long service life
- adhesion-free installation
- halogen-free
- labs uncritical
(labs = enamel moisturing interfering substances)
- flexible at low temperatures

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>	-50/+90 °C
<i>flexing:</i>	-40/+90 °C
Oil resistance:	very good - TPU acc. to DIN VDE 0282 part 10 + HD 22.10
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.
Weather resistance:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

item no.	no. of conductors incl. ground	nominal outer-Ø inch ±10%	mm ±10%	cable weight ≈ lbs/ft	item no.	no. of conductors incl. ground	nominal outer-Ø inch ±10%	mm ±10%	cable weight ≈ lbs/ft	item no.	no. of conductors incl. ground	nominal outer-Ø inch ±10%	mm ±10%	cable weight ≈ lbs/ft
➤ 16 AWG (≈ 84/34) • 1.50 mm ²					➤ 10 AWG (≈ 186/32) • 6.00 mm ²					➤ 4 AWG (≈ 760/32) • 25.00 mm ²				
08200415	4	0.335	8.5	69	08200460	4	0.594	15.1	236	08200490	4	0.957	24.3	780
08200515	5	0.366	9.3	84	08200560	5	0.650	16.5	298	08200590	5	1.055	26.8	963
➤ 14 AWG (≈ 140/34) • 2.50 mm ²					➤ 8 AWG (≈ 320/32) • 10.00 mm ²					➤ 2 AWG (≈ 1083/32) • 35.00 mm ²				
08200425	4	0.421	10.7	108	08200470	4	0.689	17.5	371	08200495	4	1.126	28.6	1067
08200525	5	0.449	11.4	130	08200570	5	0.756	19.2	431	➤ 1 AWG (≈ 703/28) • 50.00 mm ²				
➤ 12 AWG (≈ 224/34) • 4.00 mm ²					➤ 6 AWG (≈ 504/32) • 16.00 mm ²					08200496	4	1.272	32.3	1486
08200440	4	0.488	12.4	166	08200480	4	0.835	21.2	535	Other dimensions and colors are possible on request.				
08200540	5	0.520	13.2	195	08200580	5	0.917	23.3	658					



for DNC motors on frequency converters

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Web site: www.sabcable.com