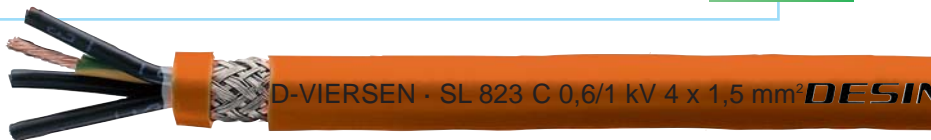


SERVO MOTOR CABLES

extremely long service life



SL 823 C PUR motor connection cable with TPE conductors and overall copper screen 0.6/1 kV



Marking for SL 823 C 08230415:

SAB BRÖCKSKES · D-VIERSEN · SL 823 C 0,6/1 kV 4 x 1,5 mm² **DESINA** CE

The SL 823 C is a halogen free, super flexible, shielded, continuous flex motor supply cable which has been designed for automated servo systems. The flexible design makes this cable ideally suited for small bend radius applications, such as cable tracks, automated handling equipment, and other continuous movement applications. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmissions, or when EMI emissions need to be suppressed.

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 DIN VDE 0293 + HD 186 and a green-yellow earth wire
Stranding:	in layers
Wrapping:	two layers of non-woven tape
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PUR, TPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
Jacket color:	orange

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.
<i>for continuous flexing:</i>	12 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

Outstanding features:

- very good EMC characteristics
- 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

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	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				
08230415	4	0.374	9.5	95	08230460	4	0.626	15.9	282	08230490	4	1.004	25.5	916
➤ 14 AWG (≈ 140/34) • 2.50 mm ²					➤ 8 AWG (≈ 320/32) • 10.00 mm ²					➤ 2 AWG (≈ 1083/32) • 35.00 mm ²				
08230425	4	0.469	11.9	146	08230470	4	0.728	18.5	421	08230495	4	1.161	29.5	1242
➤ 12 AWG (≈ 224/34) • 4.00 mm ²					➤ 6 AWG (≈ 504/32) • 16.00 mm ²					➤ 1 AWG (≈ 703/28) • 50.00 mm ²				
08230440	4	0.512	13.0	194	08230480	4	0.882	22.4	648	08230496	4	1.358	34.5	1716

Other dimensions and colors are possible on request.



for DNC motors on frequency converters

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G
13