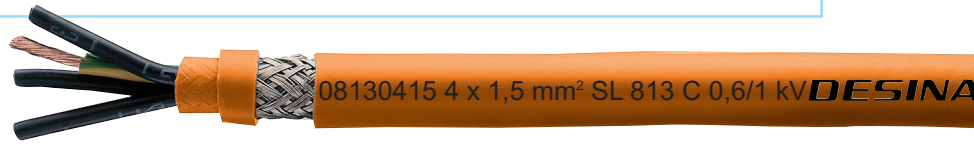


# SERVO MOTOR CABLES

suitable for  
cable tracks



**SL 813 C** PUR motor connection cable with PVC conductors and overall copper screen 0.6/1 kV



Marking for SL 813 C 08130415:

SAB BRÖCKSKES · D-VIERSEN · 08130415 4 x 1,5 mm² SL 813 C 0,6/1 kV DESINA CE

The SL 813 C is a shielded 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. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

## Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
<b>Insulation:</b>	PVC TI2 acc. to DIN VDE 0281 part1 + HD 21.1
<b>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334 and a green-yellow earth wire
<b>Stranding:</b>	in layers
<b>Inner jacket:</b>	PVC TM2 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Screen:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	PUR, TPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
<b>Jacket color:</b>	orange

## Technical data:

<b>Nominal voltage:</b>	Uo/U 0.6/1 kV
<b>Testing voltage U:</b>	4000 V conductor/screen 2000 V
<b>Min. bending radius</b>	
<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.
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg
<b>Temperature range</b>	
<i>static:</i>	-40/+70 °C
<i>flexing:</i>	+5/+70 °C
<b>Oil resistance:</b>	very good - PUR TPU acc. to DIN VDE 0282 part 10 + HD 22.10
<b>Chem. resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.
<b>Absence of harmful substances:</b>	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
- flexible
- rugged jacket
- oil resistant

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
▶ <b>16 AWG (27-29/30) • 1.50 mm<sup>2</sup></b>					▶ <b>10 AWG (78/28) • 6.00 mm<sup>2</sup></b>					▶ <b>4 AWG (169/26) • 25.00 mm<sup>2</sup></b>				
08130415	4	0.488	12.4	153	08130460	4	0.756	19.2	493	08130490	4	1.209	30.7	1185
08130515	5	0.539	13.7	192	08130560	5	0.819	20.8	399	08130590	5	1.315	33.4	1460
▶ <b>14 AWG (46/36) • 2.50 mm<sup>2</sup></b>					▶ <b>8 AWG (77/26) • 10.00 mm<sup>2</sup></b>					▶ <b>2 AWG (280/26) • 35.00 mm<sup>2</sup></b>				
08130425	4	0.606	15.4	232	08130470	4	0.906	23.0	589	08130495	4	1.339	34.0	1517
08130525	5	0.657	16.7	282	08130570	5	0.996	25.3	737	08130595	5	1.472	37.4	1847
▶ <b>12 AWG (52/28) • 4.00 mm<sup>2</sup></b>					▶ <b>6 AWG (119/26) • 16.00 mm<sup>2</sup></b>					▶ <b>1 AWG (400/26) • 50.00 mm<sup>2</sup></b>				
08130440	4	0.669	17.0	302	08130480	4	1.039	26.4	835	08130596	4	1.547	39.3	2067
08130540	5	0.736	18.7	386	08130580	5	1.130	28.7	1024	Other dimensions and colors are possible on request.				



for DNC motors  
on frequency  
converters

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