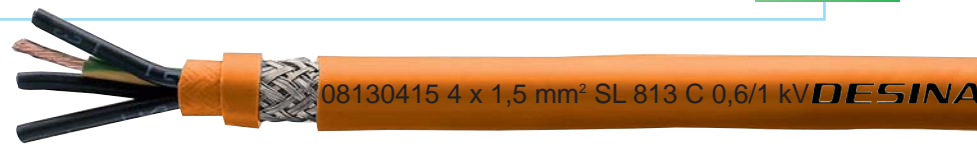


SERVO MOTOR CABLES

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:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
Insulation:	PVC T12 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
Inner jacket:	PVC TM2 acc. to DIN VDE 0281 part 1 + HD 21.1
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>	-40/+70 °C
<i>flexing:</i>	+5/+70 °C
Oil resistance:	very good - PUR TPU 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

Outstanding features:

- very good EMC characteristics
- flexible
- rugged jacket
- oil resistant

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item no.	no. of conductors incl. ground	nominal outer-Ø inch ±10%	outer-Ø mm ±10%	cable weight ≈ lbs/ft	item no.	no. of conductors incl. ground	nominal outer-Ø inch ±10%	outer-Ø mm ±10%	cable weight ≈ lbs/ft	item no.	no. of conductors incl. ground	nominal outer-Ø inch ±10%	outer-Ø mm ±10%	cable weight ≈ lbs/ft
▶ 16 AWG (≈ 84/34) • 1.50 mm²					▶ 10 AWG (≈ 186/32) • 6.00 mm²					▶ 4 AWG (≈ 760/32) • 25.00 mm²				
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
▶ 14 AWG (≈ 140/34) • 2.50 mm²					▶ 8 AWG (≈ 320/32) • 10.00 mm²					▶ 2 AWG (≈ 1083/32) • 35.00 mm²				
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
▶ 12 AWG (≈ 224/34) • 4.00 mm²					▶ 6 AWG (≈ 504/32) • 16.00 mm²					▶ 1 AWG (≈ 703/28) • 50.00 mm²				
08130440	4	0.669	17.0	302	08130480	4	1.039	26.4	835	08130496	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