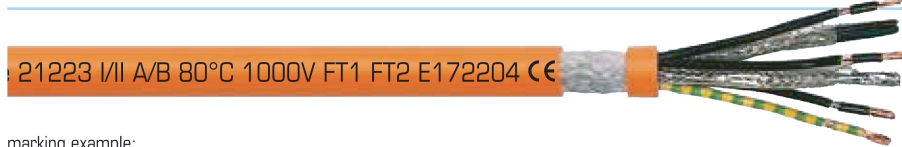


# Servo Motor Cables

## SL 891 C

low capacity combined PUR motor connection cable with overall copper screen 0.6/1 kV



marking example:

SAB BRÜCKSKES · D-VIERSEN · 0891-1415 SL 891 C 4x1,5mm<sup>2</sup>+(2x1,5mm<sup>2</sup>) cULus AWM Style 21223 I/II A/B 80°C 1000V FT1 FT2 E172204 CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 6
<b>Insulation:</b>	SABIX®
<b>Colour code:</b>	Bosch Rexroth supply cores: black, number coded 1-3 and a green-yellow earth wire, control cores: black, number coded 5-8 Siemens supply cores: core 1: black, (U/L1/C/L+) core 2: black, (V/L2) core 3: black, (W/L3/D/L-) and a green-yellow earth wire control cores: black BR1, white BR2
<b>Stranding:</b>	control cores: twisted to pairs
<b>Wrapping:</b>	control cores: alu-foil
<b>Screen:</b>	control cores: wrapped with tinned copper braiding
<b>Wrapping:</b>	control cores: foil
<b>Stranding:</b>	screened control pairs and supply cores twisted together with fillers in layers
<b>Wrapping:</b>	non-woven tape
<b>Screen:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Sheath material:</b>	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with mat surface
<b>Sheath colour:</b>	orange (RAL 2003)

### Technical Data:

<b>Nominal voltage:</b>	supply cores U <sub>0</sub> /U 0.6/1 kV
<b>Peak operating voltage:</b>	control cores max. 350 V
<b>Voltage UL/cUL:</b>	1000 V
<b>Testing voltage:</b>	supply cores      core/core      4000 V core/screen      4000 V control cores      core/core      2000 V core/screen      2000 V
<b>Min. bending radius</b>	
fixed laying:	5 x d
flexible application:	10 x d
<b>Temperature range</b>	DIN VDE      UL/cUL: up to +80 °C
fixed laying:	-50/+90 °C
flexible application:	-40/+90 °C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, cUL FT1, FT2
<b>Oil resistance:</b>	very good - TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Chem. resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.
<b>Weather resistance:</b>	very good
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“

### Outstanding features:

- » low capacity construction
- » UL/cUL recognized
- » very good EMC characteristics
- » long service life
- » adhesion-free installation
- » high flexibility
- » suitable for cable tracks
- » halogen-free
- » very good oil resistance
- » PWIS uncritical  
(PWIS = paint-wetting impairment substance)
- » flexible at low temperatures
- » DESINA® colours (see page C/4)

low capacity solution  
for your servo drive system

DESINA®  
SIEMENS®  
BOSCH  
REXROTH®

item no.	dimension	outer-ø ±0,80 mm	copper figure kg/km	cable weight ≈ kg/km
08910415	4 x 1,50 + 2 x (2 x 0,75)	11,4	166,5	211
08910425	4 x 2,50 + 2 x (2 x 1,00)	13,1	225,2	276
08910441	4 x 4,00 + (2 x 1,00) + (2 x 1,50)	15,0	303,2	373
08910461	4 x 6,00 + (2 x 1,00) + (2 x 1,50)	17,1	422,9	497
08910471	4 x 10,00 + (2 x 1,00) + (2 x 1,50)	19,3	581,3	692
08910485	4 x 16,00 + 2 x (2 x 1,50)	22,9	860,1	1012
08910490	4 x 25,00 + 2 x (2 x 1,50)	28,2	1240,8	1447
08911410	4 x 1,00 + (2 x 0,50)	9,0	88,2	120
08911415	4 x 1,50 + (2 x 1,50)	10,7	150,5	189
08911416	4 x 1,50 + (2 x 0,50)	9,5	108,0	142
08911425	4 x 2,50 + (2 x 1,50)	12,2	195,5	244
08911440	4 x 4,00 + (2 x 1,50)	13,6	262,1	317
08911460	4 x 6,00 + (2 x 1,50)	16,3	376,8	450
08911470	4 x 10,00 + (2 x 1,50)	18,5	544,0	657
08911480	4 x 16,00 + (2 x 1,50)	22,1	797,1	946
08911490	4 x 25,00 + (2 x 1,50)	26,2	1170,6	1354

Other dimensions and colours are possible on request.

Note: SIEMENS® is a registered trademark. It is only used for comparative purposes.  
BOSCH REXROTH® is a registered trademark. It is only used for comparative purposes.  
DESINA® is a registered trademark of the German Machine Tool Builders' Association.