

Servo Motor Cables

SL 891 C

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

SAB Servo

21223 I/II A/B 80°C 1000V FT1 FT2 E172204 CE



marking example:

SAB BRÜCKSKES · D-VIERSEN · 0891-1415 SL 891 C 4x1,5mm²+(2x1,5mm²) cULus AWM Style 21223 I/II A/B 80°C 1000V FT1 FT2 E172204 CE

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 6
Insulation:	SABIX®
Colour code:	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
Stranding:	control cores: twisted to pairs
Wrapping:	control cores: alu-foil
Screen:	control cores: wrapped with tinned copper braiding
Wrapping:	control cores: foil
Stranding:	screened control pairs and supply cores twisted together with fillers in layers
Wrapping:	non-woven tape
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Sheath material:	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with mat surface
Sheath colour:	orange (RAL 2003)

Technical Data:

Nominal voltage:	supply cores U ₀ /U 0.6/1 kV
Peak operating voltage:	control cores max. 350 V
Voltage UL/cUL:	1000 V
Testing voltage:	supply cores core/core 4000 V core/screen 4000 V control cores core/core 2000 V core/screen 2000 V
Min. bending radius	
fixed laying:	4 x d
flexible application:	7,5 x d
Temperature range	DIN VDE UL/cUL: up to +80 °C
fixed laying:	-50/+90 °C
flexible application:	-40/+90 °C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, cUL FT1, FT2
Oil resistance:	very good - TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
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 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

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
0891-1495	4 x 35,00 + (2 x 1,50)	31,7	1593,3	1872
0891-1496	4 x 50,00 + (2 x 1,50)	35,0	2194,6	2527

Other dimensions and colours are possible on request.

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