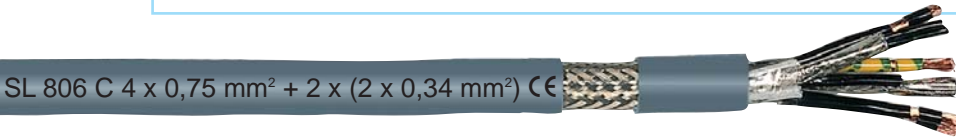


**very good
EMC**

SERVO MOTOR CABLES



SL 806 C Combined PE/PVC motor connection cable with overall copper screen 0.6/1 kV



Marking for SL 806 C 08060407:

SAB BRÖCKSKES · D-VIERSEN · SL 806 C 4 x 0,75 mm² + 2 x (2 x 0,34 mm²) CE

The SL 806 C is an overall shielded continuous flex power supply and feedback cable which has been designed for automated servo systems. This composite cable offers a unique combination of signal and power conductors, under one jacket, while reducing weight and saving space. The special design makes SL 806 C ideally suited for automated applications, such as cable track, 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 emission needs to be suppressed.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5 < 0,50 mm ² with reference to DIN VDE 0812
Insulation:	control conductors: PE M/MD acc. to VDE 0819 part 103 supply conductors: PVC TI2 acc. to DIN VDE 0281 part 1 + HD 21.1
Color code:	black conductors with consecutive numbers acc. to EN 50334; (except 22 AWG = colored) and a green-yellow earth wire
Stranding:	control conductors 22 AWG - 16 AWG twisted to pairs
Screen:	pairs wrapped with Alu-foil and tinned copper braid
Wrapping:	pairs with PETP foil
Stranding:	screened control pairs and supply conductors twisted together in layers
Wrapping:	non-woven tape
Screen:	tinned copper braiding
Jacket material:	PVC, TM2 acc. to DIN VDE 0281 part 1 + HD 21.1
Jacket color:	gray

Technical data:

Nominal voltage:	supply conductors U _{o/U} 0.6/1 kV
Peak operating voltage:	control conductors max. 500 V
Testing voltage U:	supply conductors 4000 V control conductors 1500 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:	8 x 10 ⁷ cJ/kg
Temperature range	
<i>static:</i>	-30/+70 °C
<i>flexing:</i>	-5/+70 °C
Oil resistance:	acc. to internal standard, see page N/27
Chem. resistance:	see page N/9
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

Outstanding features:

- **very good EMC characteristics**
- **high functionality**
- **space-saving application**
- **good handling**

Item no.	power conductors	single pairs, individually shielded	nominal outer- ϕ inch $\pm 10\%$	mm $\pm 10\%$	cable weight \approx lbs/mft
▶ 08060407	19 AWG / 4c	22 AWG / 2pr	0.500	12.7	138
▶ 08060415	16 AWG / 4c	19 AWG / 2pr	0.551	14.0	184
▶ 08060425	14 AWG / 4c	19 AWG / 2pr	0.606	15.4	233
▶ 08060440	12 AWG / 4c	18 AWG / 1pr + 16 AWG / 1pr	0.677	17.2	318
▶ 08060460	10 AWG / 4c	18 AWG / 1pr + 16 AWG / 1pr	0.752	19.1	390
▶ 08060470	8 AWG / 4c	18 AWG / 2pr	0.890	22.6	566
▶ 08060480	6 AWG / 4c	16 AWG / 2pr	1.083	27.5	804
▶ 08060490	4 AWG / 4c	16 AWG / 2pr	1.240	31.5	1136
▶ 08060495	2 AWG / 4c	16 AWG / 2pr	1.386	35.2	1572