

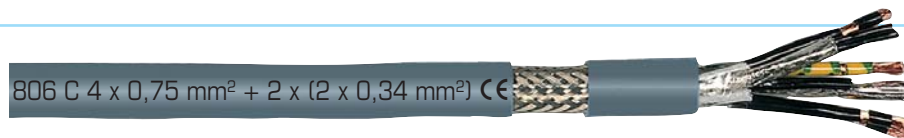
Servo Motor Cables

SL 806 C

combined PE/PVC motor connection cable with overall copper screen 0.6/1 kV

very good
EMC

SAB Servo



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) C€

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5 < 0,50 mm ² with reference to VDE 0812
Insulation:	control cores: PE L/MD acc. to EN 50290-2-23 + VDE 0819-103 supply cores: PVC, TI2 acc. to EN 50363-3 + VDE 0207-363-3
Colour code:	black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334 (except 0,34 mm ² = coloured) and a green-yellow earth wire
Stranding:	control cores 0,34 mm ² - 1,5 mm ² twisted to pairs
Screen:	pairs wrapped with alu-foil, tinned copper braiding
Wrapping:	pairs with PETP foil
Stranding:	screened control pairs and supply cores twisted together in layers
Wrapping:	non-woven tape
Screen:	tinned copper braiding
Sheath material:	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
Sheath colour:	grey (RAL 7000)

Outstanding features:



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

Technical data:

Nominal voltage:	supply cores	U ₀ /U 0.6/1 kV
Peak operating voltage:	control cores	max. 500 V
Testing voltage:	supply cores	core/core 4000 V core/screen 4000 V
	control cores	core/core 1500 V core/screen 1200 V
Min. bending radius		
fixed laying:	5 x d	
flexible application:	10 x d	
Radiation resistance:	8 x 10 ⁷ cJ/kg	
Temperature range		
fixed laying:	-30/+70 °C	
flexible application:	-5/+70 °C	
Oil resistance:	acc. to internal standard, see chapter N „Technical Data“	
Chem. resistance:	see chapter N „Technical Data“	
Absence of harmful substances:	acc. to RoHS directive of the European Union see chapter N „Technical Data“	

C

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item no.	dimensions	supply cores	AWG control cores (pairs)	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
08060407	4 x 0,75 + 2 x (2 x 0,34)	19 / 4c	22 / 2pr	0,21/0,16	12,7	123,0	205
08060415	4 x 1,50 + 2 x (2 x 0,75)	16 / 4c	19 / 2pr	0,26/0,21	14,0	180,6	274
08060425	4 x 2,50 + 2 x (2 x 0,75)	14 / 4c	19 / 2pr	0,26/0,21	15,4	230,2	346
08060440	4 x 4,00 + (2 x 1,00) + (2 x 1,50)	12 / 4c	18 / 1pr + 16 / 1pr	0,31/0,21/0,26	17,2	349,1	473
08060460	4 x 6,00 + (2 x 1,00) + (2 x 1,50)	10 / 4c	18 / 1pr + 16 / 1pr	0,31/0,21/0,26	19,1	429,3	581
08060470	4 x 10,00 + 2 x (2 x 1,00)	8 / 4c	18 / 2pr	0,41/0,21	22,6	595,9	843
08060480	4 x 16,00 + 2 x (2 x 1,50)	6 / 4c	16 / 2pr	0,41/0,21	27,5	860,0	1197
08060490	4 x 25,00 + 2 x (2 x 1,50)	4 / 4c	16 / 2pr	0,41/0,26	31,5	1254,2	1690
08060495	4 x 35,00 + 2 x (2 x 1,50)	2 / 4c	16 / 2pr	0,41/0,26	35,2	1678,3	2340

Other dimensions and colours are possible on request.