

# SERVO MOTOR CABLES

**suitable for cable tracks**



## SL 807 C PE/PVC feedback cable with overall copper screen



Marking for SL 807 C 08070050:  
SAB BRÖCKSKES · D-VIERSEN · SL 807 C 9 x 0,5 mm² CE

The SL 807 C is a continuous flex servo motor feedback cable, overall shielded and 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 transmissions, or when EMI emissions need to be suppressed.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to DIN VDE 0812
<b>Insulation:</b>	PE M/MD acc. to DIN VDE 0819 part 103
<b>Color code:</b>	colored
<b>Stranding:</b>	in layers
<b>Screen:</b>	acc. to dimension: conductors/pairs screened with tinned copper braid
<b>Wrapping:</b>	PETP foil
<b>Stranding:</b>	conductors/pairs twisted together in layers
<b>Wrapping:</b>	PETP foil
<b>Screen:</b>	tinned copper braiding
<b>Jacket material:</b>	PVC, TM2 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Jacket color:</b>	gray

### Technical data:

<b>Peak operating voltage:</b>	max. 500 V
<b>Testing voltage U:</b>	2000 V
<b>Min. bending radius</b>	
<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.
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg
<b>Temperature range</b>	
<i>static:</i>	-30/+70 °C
<i>flexing:</i>	-5/+70 °C
<b>Oil resistance:</b>	acc. to internal standard, see page N/27
<b>Chem. resistance:</b>	see page N/9
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/28

### Outstanding features:

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

item no.	dimensions	nominal outer- $\phi$ inch $\pm 10\%$	mm $\pm 10\%$	cable weight $\approx$ lbs/mt
▶ 08070050	20 AWG / 9c	0.331	8.4	72

Other dimensions and colors are possible on request.



**suitable for  
resolvers and  
shaft encoders**