

**suitable for cable tracks**

# SERVO MOTOR CABLES



## SL 802 C TPE/PUR feedback cable with overall copper screen

RÖCKSKES · D-VIERSEN · SL 802 C 9 x 0,5 mm<sup>2</sup> CE



Marking for SL 802 C 08020050:  
SAB BRÖCKSKES · D-VIERSEN · SL 802 C 9 x 0,5 mm<sup>2</sup> CE

The SL 802 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>	TPE 510
<b>Color code:</b>	colored
<b>Stranding:</b>	in layers
<b>Screen:</b>	acc. to dimension: pairs screened or wrapped with tinned copper braid
<b>Inner jacket:</b>	TPE 510
<b>Stranding:</b>	conductors/pairs twisted together in layers
<b>Wrapping:</b>	non-woven tape or netting tape
<b>Screen:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
<b>Jacket color:</b>	orange

### 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>	5 x 10 <sup>7</sup> cJ/kg
<b>Temperature range</b>	
<i>static:</i>	-50/+90 °C
<i>flexing:</i>	-40/+90 °C
<b>Oil resistance:</b>	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
<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 page N/28

### Outstanding features:

- very good EMC characteristics
- very high flexibility
- very long service life
- adhesion-free installation
- oil resistant
- halogen-free
- labs uncritical  
(labs = enamel moisturing interfering substances)
- flexible at low temperatures

item no.	dimensions	nominal outer-ø		cable weight ≈ lbs/mft
		inch ±10%	mm ±10%	
▶ 08020050	20 AWG / 9c	0.307	7.8	65

Other dimensions and colors are possible on request.



**suitable for resolvers and shaft encoders**