

# SERVO MOTOR CABLES



## SL 839 C PUR transmission cable with overall copper screen



Marking for SL 839 C 08390138:

SAB BRÖCKSKES · D-VIERSEN · 08390138 SL 839 C 4 x 2 x 0,38 mm<sup>2</sup> + 4 x 0,50 mm<sup>2</sup> **DESINA** AWM Style 20236 80°C 30V

SL 839 C is a UL approved, continuous flexible tinned copper shielded, multi conductor, motor feedback and transmission cable. This cable is designed for use in highly flexible, mobile connection, primary in speedometer, brake, temperature control in motors and continuous flex applications for automation, control technology, in cable tracks on wood working machines and industrial construction, even with high mechanical demands and in dry, damp and wet conditions, as well as low temperatures. The cable has highly abrasion and high chemical demands and a very good resistance against acids alkalines, solvents hydraulic liquids and oil. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

### Construction:

<b>Conductor:</b>	tinned copper strands acc. to DIN VDE 0812
<b>Insulation:</b>	special Polymer
<b>Color code:</b>	colored
<b>Screen:</b>	<i>acc. to dimension:</i> pairs screened with tinned copper braid
<b>Inner jacket:</b>	special Polymer
<b>Stranding:</b>	conductors or pairs
<b>Stranding:</b>	conductors/pairs twisted together in layers
<b>Wrapping:</b>	one non-woven tape or non-woven tape and PETP foil
<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 or PU acc. to UL 758
<b>Jacket color:</b>	green

### Technical data:

<b>Peak operating voltage:</b>	max. 30 V	
<b>Voltage:</b>	<b>UL:</b> 30 V	
<b>Testing voltage U:</b>	750 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>	<b>DIN VDE</b>	<b>UL/CSA:</b> up to +80 °C
<i>static:</i>	-40/+70 °C	
<i>flexing:</i>	-20/+70 °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. or oilrating 60°C acc. to UL 758	
<b>Weather resistance:</b>	very good	
<b>Absence of harmful substances:</b>	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25	

### Outstanding features:

- good EMC characteristics
- flexible installation
- oil resistant
- long service life
- adhesion-free installation
- halogen-free
- labs uncritical  
(labs = enamel moisturing interfering substances)



**suitable for  
resolvers and  
shaft encoders**

item no.	dimensions	nominal outer- inch	nominal outer- mm	cable weight ≈ lbs/mft
▶ <b>Jacket material TMPU acc. to DIN VDE 0282</b>				
▶ 08390114	26 AWG / 3pr + 20 AWG / 2c	0.354 ± 0.016	9.0 ± 0.4	76
▶ 08390214	26 AWG / 3pr + 26 AWG / 4c + 20 AWG / 2c	0.346 ± 0.016	8.8 ± 0.4	71
▶ 08391050	26 AWG / 3pr + 26 AWG / 4c + 24 AWG / 2c + 20 AWG / 2c	0.374 ± 0.016	9.5 ± 0.4	83
▶ 08390138	22 AWG / 4pr + 20 AWG / 4c	0.350 ± 0.016	8.9 ± 0.4	77
▶ 08390318	26 AWG / 8pr	0.307 ± 0.016	7.8 ± 0.4	54
▶ 08390122	22 AWG / 12c	0.272 ± 0.016	6.9 ± 0.4	46
▶ <b>Jacket material PU acc. to UL 758</b>				
▶ 08390118	26 AWG / 4c	0.193 ± 0.016	4.9 ± 0.4	24
▶ 08390218	26 AWG / 4pr	0.248 ± 0.016	6.3 ± 0.4	38
▶ 08390115	26 AWG / 2pr + 11 AWG / 2c	0.272 ± 0.012	6.9 ± 0.3	35

Other dimensions and colors are possible on request.

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