

# Servo Motor Cables

## SL 839 C

Composite PUR transmission cable with overall tinned copper shield



Marking for SL 839 C 8390122:

SAB BRÖCKSKES · D-VIERSEN · 8390122 SL 839 C 12 x 0.22 mm² DESINA AWM Style 20236 80°C 30V

### Construction:

<b>Conductor:</b>	tinned copper strands with reference to VDE 0812
<b>Insulation:</b>	special polymer
<b>Color code:</b>	colored (see chart below)
	<i>acc. to dimension:</i>
<b>Shielding:</b>	pairs shielded with tinned copper braiding
<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>Shielding:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with matte surface or PU acc. to UL 758
<b>Jacket color:</b>	green (RAL 6018)

### Technical data:

<b>Nominal voltage:</b>	max. 30 V	
<b>Voltage UL:</b>	30 V	
<b>Testing voltage:</b>	conductor/conductor: 600 V conductor/shielding: 600 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>flexible:</i>	-20/+70°C	
<b>Oil resistance:</b>	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 or oil rating 60°C acc. to UL 758	
<b>Chemical resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids, etc.	
<b>Weather resistance:</b>	very good	
<b>Approvals:</b>	UR AWM, EAC, RoHS	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30	

### Outstanding features:

- UL recognition
- good EMC characteristics
- flexible and flexing installation
- oil resistant
- long service life
- adhesion-free installation
- halogen-free
- suitable for cable tracks
- free from paint wetting impairment substances (PWIS-free)
- DESINA® colors (see page G/3)
- Siemens Drive CLiQ



**suitable for resolvers  
and shaft encoders and  
Sinamics DRIVE CLiQ**

item no.	dimensions	nominal outer-ø		cable weight ≈lbs/mft	color codes
		inch	mm		
<b>Jacket material TMPU acc. to DIN VDE 0282</b>					
▶ 8390114	(26/3pr)D + (20/2c)D	0.362 ± 0.016	9.2 ± 0.4	71	(GN/YE+BN/BK+OR/RD) - (RD+BK)
▶ 8390214	(26/3pr)D + 26/4c + 20/2c	0.354 ± 0.016	9.0 ± 0.4	68	(RD/OR+BN/BK+GN/YE) - (BU+GY+WH-BK+WH-YE) - (BN-BU+BN-RD)
▶ 8391050	(26/3pr)D + 26/4c + 24/4c + 20/2c	0.378 ± 0.016	9.6 ± 0.4	77	(RD/OR+BN/BK+GN/YE) - (BU+GY+WH-BK+WH-YE) - (BN-YE+GN-RD+BN-GY+GN-BK) - (BN-BU+BN-RD)
▶ 8390138	22/4pr + 20/4c	0.346 ± 0.016	8.8 ± 0.4	75	(RD/OR+GN/YE+BU/VT+BN/BK) - (BK-WH+RD-WH+YE-WH+BU-WH)
▶ 8390318	26/8pr	0.307 ± 0.016	7.8 ± 0.4	52	(WH/GY+VT/BU+GN/YE+OR/RD+BK/BN+WH-RD/WH-OR+WH-BK/WH-BN+WH-YE/WH-GN)
▶ 08390122	22/12c	0.264 ± 0.016	6.7 ± 0.4	44	(RD+BK+BN+WH+GY+VT+BU+GN+YE+OR+WH-BN+WH-BK)
<b>Jacket material PU acc. to UL 758</b>					
▶ 8390118	26/4c	0.193 ± 0.016	4.9 ± 0.4	20	(RD+BK+OR+BN)
▶ 8390218	26/4pr	0.248 ± 0.016	6.3 ± 0.4	34	(VT/BU+GN/YE+OR/RD+BK/BN)
<b>Siemens Sinamics/ DRIVE CLiQ</b>					
▶ 8390115	2 x 2 x 0.15 mm <sup>2</sup> + 2 x 0.38 mm <sup>2</sup> ≈ 26/2pr + 22/2c	0.272 ± 0.012	6.9 ± 0.3	45	(GN/YE+BU/PK) + (RD+BK)
▶ 8390220	2 x 2 x 0.20 mm <sup>2</sup> + 2 x 0.38 mm <sup>2</sup> ≈ 25/2pr + 22/2c	0.272 ± 0.012	6.9 ± 0.3	41	(GN/YE+BU/PK) + (RD+BK)

D = spiral shield with pairs

Other dimensions and colors are available on request

Note: DESINA® is a registered trademark of the German Machine Tool Builders' Association.



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