

Servo Motor Cables

SL 839 C

Composite PUR transmission cable with overall tinned copper shield



Marking for SL 839 C 08390122:

SAB BRÖCKSKES · D-VIERSEN · 08390122 SL 839 C 12 x 0.22 mm² **DESINA** AWM Style 20236 80°C 30V

Construction:

Conductor:	tinned copper strands with reference to VDE 0812
Insulation:	special polymer
Color code:	colored (see chart below)
	<i>acc. to dimension:</i>
Shielding:	pairs shielded with tinned copper braiding
Inner jacket:	special polymer
Stranding:	conductors or pairs
Stranding:	conductors/pairs twisted together in layers
Wrapping:	one non-woven tape or non-woven tape and PETP foil
Shielding:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with matte surface or PU acc. to UL 758
Jacket color:	green (RAL 6018)

Technical data:

Nominal voltage:	max. 30 V
Voltage UL:	30 V
Testing voltage:	conductor/conductor: 600 V conductor/shielding: 600 V
Min. bending radius:	
fixed installation:	5 x O.D.
free movement:	10 x O.D.
for continuous flexing:	12 x O.D.
Radiation resistance:	5 x 10 ⁷ cJ/kg
Temperature range:	DIN VDE UL/CSA: up to +80°C
static:	-40/+70°C
flexible:	-20/+70°C
Oil resistance:	very good - TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 or oil rating 60°C acc. to UL 758
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.
Weather resistance:	very good
Approvals:	UL AWM, EAC, RoHS
Absence of harmful substances:	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
- free from paint wetting disruptive substances (LABS-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		
Jacket material TPU acc. to DIN VDE 0282					
▶ 08390114	(26/3pr)D + (20/2c)D	0.362 ± 0.016	9.2 ± 0.4	71	(GN/YE+BN/BK+OR/RD) - (RD+BK)
▶ 08390214	(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)
▶ 08391050	(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)
▶ 08390138	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)
▶ 08390318	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)
Jacket material PU acc. to UL 758					
▶ 08390118	26/4c	0.193 ± 0.016	4.9 ± 0.4	20	(RD+BK+OR+BN)
▶ 08390218	26/4pr	0.248 ± 0.016	6.3 ± 0.4	34	(VT/BU+GN/YE+OR/RD+BK/BN)
Siemens Sinamics/ DRIVE CLiQ					
▶ 08390115	2 x 2 x 0.15 mm ² + 2 x 0.38 mm ² ≈ 26/2pr + 22/2c	0.272 ± 0.012	6.9 ± 0.3	45	(GN/YE+BU/PK) + (RD+BK)
▶ 08390220	2 x 2 x 0.20 mm ² + 2 x 0.38 mm ² ≈ 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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