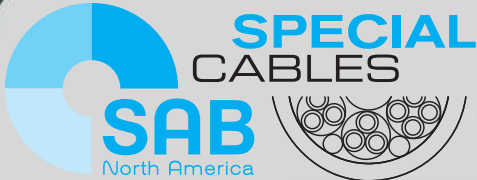


# SERVO MOTOR CABLES

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# Servo Motor Cables

## Content

			page
Applications		.....	G/3
Selection tables		.....	G/4
<b>Motor Connection Cables 0.6/1 kV with UL Recognition, CSA Approval</b>			
■ SL 860 C		PVC motor connection cable with overall tinned copper shield, low capacitance 0.6/1 kV .....	G/5
■ SL 863 C		PVC motor connection cable with a pair and overall tinned copper shield, low capacitance 0.6/1 kV .....	G/6
■ SL 833 C		TPE/PUR motor connection cable with overall tinned copper shield, 0.6/1 kV	G/7
■ SL 841 C		TPE motor connection cable with 1 or 2 pairs and overall tinned copper shield, 0.6/1 kV .....	G/8
■ SL 834 C		PUR motor connection cable with overall tinned copper shield, low capacitance 0.6/1 kV .....	G/9
■ SL 871 C		TPE motor connection cable with 1 or 2 pairs and overall tinned copper shield, low capacitance 0.6/1 kV .....	G/10
■ SL 875 C		TPE/PUR hybrid motor connection cable with overall copper shield, low capacitance 0.6/1kV <span style="background-color: yellow; border-radius: 10px; padding: 2px;"><b>single cable solution</b></span> .....	G/11
<b>Feedback Cable with UL Recognition, CSA Approval</b>			
■ SL 842 C		TPE/PUR feedback cable with overall tinned copper shield .....	G/12
<b>Transmission Cables with UL Recognition, CSA Approval</b>			
■ SL 839 C		Composite PUR transmission cable with overall tinned copper shield .....	G/13
■ SL 843 C		Composite TPE/PUR transmission cable with overall tinned copper shield ..	G/14



**SAB Servo cables are particularly applicable on Siemens and Indramat drives and controls.**

# Servo Motor Cables

## Applications

### ■ Applications of combined motor connection cables

These flexible motor connection cables are used for the power supply of motors. Depending on the construction type, power and control conductors are possible. The cables are suitable for high mechanical demands in dry, damp and wet conditions as well as at low temperatures.

#### Exemplary applications:

SL 841 C SL 871 C SL 863 C	Highly flexible, cable track applications in industries with intelligent servo drives, e.g. automation technologies, machine construction, construction of industrial robots and plants, motor power, control and manufacturing engineering, in handling systems, car manufacturing industry, in cable tracks on wood-working machines, color coding acc. to DESINA
SL 875 C	All-in-one cable solution with integrated elements for digital signal feedback

### ■ Applications of motor, feedback and transmission cables

Feedback cables are used for controlling motor speed and for giving feedback values. Transmission cables transmit control pulses for positioning and procedure characteristics, e.g. connection of speedometer, brake and pulse generators.

#### Exemplary applications:

SL 839 C SL 842 C SL 843 C	Highly flexible, mobile connection cables for e.g. speedometer, brake, temperature control in motors, for continuous flex applications in automation technology, control and production engineering, in cable tracks on wood-working machines, machine and industrial plant construction, even with high mechanical demands and in dry, damp and wet conditions, as well as at low temperatures
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### ■ Applications of motor connection cables for DNC\* motors 0.6/1kV

These cables are suitable for the fixed installation and flexible use e.g. in machine and industrial plant construction with average mechanical demand in dry, damp and wet conditions.

#### Exemplary applications:

SL 833 C SL 834 C SL 860 C	Industries with intelligent servo drives, e.g. automation technology, motor power, control and production engineering, handling systems, car manufacturing industry, cable tracks	*three-phase shunt motor
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### ■ DESINA - DistributEd and Standardized INStAllation technology



DESINA is an extensive concept for standardizing and distributing fluid and electric installations of machines and plants. A co-operation of machine construction, car manufacturing and supply industries has, furthermore, set up the specification of necessary components.

DESINA applies already existing solutions such as open bus systems, industrial standards for connectors, etc. By standardizing components, interfaces and connecting systems, e.g. an optical fiber copper hybrid cable, most varying systems can be realized on a physical basis.

The following jacket colors are defined as a function code:

	orange	RAL 2003: servo cable, shielded
	green	RAL 6018: measuring systems, shielded
	violet	RAL 4001: field bus, hybrid cables
	yellow	RAL 1021: sensor/actuator cable, unshielded 4 x 0.34 mm <sup>2</sup> copper
	black	RAL 9005: power cable, unshielded
	gray	RAL 7001: 24 V control cable, unshielded

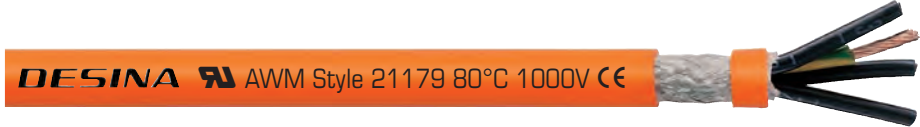
The jackets of all cables are to be resistant against industrial lubricants.



# Servo Motor Cables

## SL 860 C

PVC motor connection cable with overall tinned copper shield, low capacitance 0.6/1 kV



Marking for SL 860 C 8601604:

SAB BRÖCKSKES · D-VIERSEN · 8600415 4 x 1.5 mm<sup>2</sup> SL 860 C 16 AWG/4c 8601604 **DESINA** AWM Style 21179 80°C 1000V CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	special polymer
<b>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 and a green/yellow ground
<b>Stranding:</b>	specially adjusted layering
<b>Wrapping:</b>	foil
<b>Shielding:</b>	tinned copper braiding
<b>Jacket material:</b>	PVC
<b>Jacket color:</b>	orange (RAL 2003)

### Outstanding features:

- UL recognition
- very good EMC characteristics
- low capacitance construction
- very good stripping
- very good oil resistance

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 0.6/1 kV	
<b>Voltage UL:</b>	1000 V	
<b>Testing voltage:</b>	conductor/conductor:	4000 V
	conductor/shielding:	4000 V
<b>Min. bending radius:</b>		
<i>fixed installation:</i>	5 x O.D.	
<i>free movement:</i>	10 x O.D.	
<b>Temperature range:</b>	<b>DIN VDE</b>	<b>UL/CSA:</b> up to +80°C
<i>static:</i>	-30/+70°C	
<i>flexible:</i>	0/+70°C	
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1	
<b>Oil resistance:</b>	very good - TM5 acc. to EN 50363-4-1 + VDE 0207-363-4-1	
<b>Approvals:</b>	UR AWM, CE, EAC, RoHS	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30	

**DESINA**

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm <sup>2</sup>				
8601604	4	0.335	8.5	78
▶ 14 AWG (≈ 46/30) ▪ 2.50 mm <sup>2</sup>				
8601404	4	0.366	9.3	107
▶ 12 AWG (≈ 52/28) ▪ 4.00 mm <sup>2</sup>				
8601204	4	0.469	11.9	176

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 10 AWG (≈ 78/28) ▪ 6.00 mm <sup>2</sup>				
8601004	4	0.535	13.6	238
▶ 8 AWG (≈ 77/26) ▪ 10.00 mm <sup>2</sup>				
8600804	4	0.843	21.4	415
▶ 6 AWG (≈ 122/26) ▪ 16.00 mm <sup>2</sup>				
8600604	4	0.874	22.2	617

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 4 AWG (≈ 190/26) ▪ 25.00 mm <sup>2</sup>				
8600404	4	1.024	26.0	886
▶ 2 AWG (≈ 272/26) ▪ 35.00 mm <sup>2</sup>				
8600204	4	1.154	29.3	1183
▶ 1 AWG (≈ 400/26) ▪ 50.00 mm <sup>2</sup>				
8600104	4	1.205	30.6	1633

Other dimensions and colors are available on request



# Servo Motor Cables



## SL 863 C

PVC motor connection cable with a pair and overall tinned copper shield, low capacitance 0.6/1 kV



Marking for SL 863 C 8631415:

SAB BRÖCKSKES · D-VIERSEN · 8631415 SL 863 C 4 x 1.50 mm<sup>2</sup> + (2 x 1.50 mm<sup>2</sup>) **DESINA** AWM Style 21179 80°C 1000V CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	special polymer
<b>Color code:</b>	<u>supply conductors:</u> black conductors with printing conductor 1: U/L1/C/L+ conductor 2: V/L2 conductor 3: W/L3/D/L- and a green/yellow ground <u>control conductors:</u> with numbers 5+6
<b>Stranding:</b>	control conductor twisted to pairs
<b>Shielding:</b>	tinned copper braiding
<b>Wrapping:</b>	PETP foil
<b>Stranding:</b>	shielded control pairs and supply conductors twisted together in layers
<b>Wrapping:</b>	PETP foil
<b>Shielding:</b>	tinned copper braiding
<b>Jacket material:</b>	PVC
<b>Jacket color:</b>	orange (RAL 2003)

### Technical data:

<b>Nominal voltage:</b>	supply conductors: U <sub>0</sub> /U 0.6/1 kV
<b>Voltage UL:</b>	supply conductors: 1000 V
<b>Peak operating voltage:</b>	control conductors: max. 350 V
<b>Voltage UL:</b>	control conductors: 1000 V
<b>Testing voltage:</b>	
<i>supply conductors:</i>	conductor/conductor: 4000 V conductor/shielding: 4000 V
<i>control conductors:</i>	conductor/conductor: 2000 V conductor/shielding: 2000 V
<b>Min. bending radius:</b>	
<i>fixed installation:</i>	5 x O.D.
<i>free movement:</i>	10 x O.D.
<b>Temperature range:</b>	<b>DIN VDE</b> <b>UL/CSA:</b> up to +80°C
<i>static:</i>	-30/+70°C
<i>flexible:</i>	0/+70°C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1
<b>Oil resistance:</b>	very good - TM5 acc. to EN 50363-4-1 + VDE 0207-363-4-1
<b>Approvals:</b>	UR AWM, CE, EAC, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

### Outstanding features:



- UL recognition
- very good EMC characteristics
- low capacitance construction
- very good stripping
- very good oil resistance

item no.	power conductors	single pairs individually shielded	nominal outer-ø		cable weight
			inch	mm	≈lbs/mft
▶ 8631415	16 AWG/ 4c	16 AWG/ 1pr	0.409	10.4	120
▶ 8631425	14 AWG/ 4c	16 AWG/ 1pr	0.480	12.2	172
▶ 8631440	12 AWG/ 4c	16 AWG/ 1pr	0.539	13.7	218
▶ 8631460	10 AWG/ 4c	16 AWG/ 1pr	0.638	16.2	317
▶ 8631470	8 AWG/ 4c	16 AWG/ 1pr	0.744	18.9	452
▶ 8631480	6 AWG/ 4c	16 AWG/ 1pr	0.917	23.3	655
▶ 8631490	4 AWG/ 4c	16 AWG/ 1pr	1.051	26.7	916
▶ 8631495	2 AWG/ 4c	16 AWG/ 1pr	1.173	29.8	1202

Other dimensions and colors are available on request

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# Servo Motor Cables

## SL 833 C

TPE/PUR motor connection cable with overall tinned copper shield 0.6/1 kV



Marking for SL 833 C 8331604:

SAB BRÖCKSKES · D-VIERSEN · 8330415 4 x 1.5 mm<sup>2</sup> SL 833 C 16 AWG/4c 1000V 8331604 **DESINA** AWM Style 20235 80°C CSA AWM I/II A/B 80°C 1000V FT1 FT2 CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 6
<b>Insulation:</b>	TPE
<b>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 and a green/yellow ground
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	non-woven tape
<b>Shielding:</b>	tinned copper braiding
<b>Jacket material:</b>	PU acc. to UL 758
<b>Jacket color:</b>	orange (RAL 2003)

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 0.6/1 kV	
<b>Voltage UL:</b>	1000 V	
<b>Testing voltage:</b>	conductor/conductor:	4000 V
	conductor/shielding:	4000 V
<b>Min. bending radius:</b>		
<i>fixed installation:</i>	5 x O.D.	
<i>free movement:</i>	10 x O.D.	
<i>continuous flexing:</i>	12 x O.D.	
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cuj/kg	
<b>Temperature range:</b>	<b>DIN VDE</b>	<b>UL/CSA:</b> up to +80°C
<i>static:</i>	-50/+80°C	
<i>flexing:</i>	-40/+80°C	
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1, CSA FT1, FT2	
<b>Oil resistance:</b>	very good - oil rating 60°C acc. to UL 1581	
<b>Chemical resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.	
<b>Approvals:</b>	UR AWM, CSA AWM, CE, EAC, RoHS	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30	

### Outstanding features:

- UL recognized, CSA approval
- very good EMC characteristics
- very high flexibility
- suitable for cable tracks
- oil resistant
- very long service life
- adhesion-free installation
- free from paint wetting impairment substances (PWIS-free)
- flexible at low temperatures
- in accordance with Siemens 6FX8008
- DESINA® colors (see page G/3)

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 16 AWG (≈ 84/34) ▪ 1.50 mm <sup>2</sup>				
8331604	4	0.358	9.1	85
▶ 14 AWG (≈ 140/34) ▪ 2.50 mm <sup>2</sup>				
8331404	4	0.433	11.0	129
▶ 12 AWG (≈ 224/34) ▪ 4.00 mm <sup>2</sup>				
8331204	4	0.492	12.5	183

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 10 AWG (≈ 186/32) ▪ 6.00 mm <sup>2</sup>				
8331004	4	0.61	15.5	268
▶ 8 AWG (≈ 320/32) ▪ 10.00 mm <sup>2</sup>				
8330804	4	0.701	17.8	406
▶ 6 AWG (≈ 504/32) ▪ 16.00 mm <sup>2</sup>				
8330604	4	0.898	22.8	639

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 4 AWG (≈ 760/32) ▪ 25.00 mm <sup>2</sup>				
8330404	4	1.012	25.7	894
▶ 2 AWG (≈ 1083/32) ▪ 35.00 mm <sup>2</sup>				
8330204	4	1.15	29.2	1164
▶ 1 AWG (≈ 703/28) ▪ 50.00 mm <sup>2</sup>				
8330104	4	1.35	34.3	1631

Other dimensions and colors are available on request

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for DNC motors  
on frequency converters

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# Servo Motor Cables

## SL 841 C

TPE motor connection cable with 1 or 2 pairs and overall tinned copper shield, 0.6/1 kV



35 80°C CSA AWM I/II A/B 80°C 300V FT1 FT2 CE



Marking for SL 841 C 8410407:

SAB BRÜCKSKES · D-VIERSEN · 8410407 SL 841 C 4 x 0.75 mm<sup>2</sup> (1000V) + 2 x (2 x 0.34 mm<sup>2</sup>) (300V) DESINA AWM Style 20235 80°C CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 6 < 20 AWG with reference to VDE 0812
<b>Insulation:</b>	TPE
<b>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 and a green/yellow ground supply conductors: * U1, V2, W3 and a green/yellow ground control conductors: ** BR1 and BR2
<b>from item no. 08411415:</b>	
<b>Stranding:</b>	control conductors 22 - 14 AWG twisted to pairs
<b>Shielding:</b>	pairs wrapped with alu-foil, tinned copper braiding
<b>Wrapping:</b>	pairs with PETP foil
<b>Stranding:</b>	shielded control pairs and supply conductors twisted together in layers
<b>Wrapping:</b>	two layers non-woven tape
<b>Shielding:</b>	overall tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with matte surface
<b>Jacket color:</b>	orange (RAL 2003)

### Technical data:

<b>Nominal voltage:</b>	supply conductors: U <sub>0</sub> /U 0.6/1 kV
<b>Peak operating voltage:</b>	control conductors: max. 350 V
<b>Voltage UL/CSA:</b>	control conductors: 300 V supply conductors: 1000 V
<b>Testing voltage:</b>	
<i>supply conductors:</i>	conductor/conductor: 4000 V conductor/shielding: 4000 V
<i>control conductors:</i>	conductor/conductor: 2000 V conductor/shielding: 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>	<b>DIN VDE</b> UL/CSA: up to +80°C <i>static:</i> -50/+90°C <i>flexible:</i> -40/+90°C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1, CSA FT1, FT2
<b>Oil resistance:</b>	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Chemical resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids, etc.
<b>Weather resistance:</b>	very good
<b>Approvals:</b>	UR AWM, CSA AWM, CE, EAC, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

### Outstanding features:

- UL recognition, CSA approval
- very good EMC characteristics
- long service life
- adhesion-free installation
- suitable for cable tracks
- halogen-free
- free from paint wetting impairment substances (PWIS-free)
- flexible at low temperatures
- DESINA® colors (see page G/3)
- in accordance with Indramat INK and Siemens 6FX8008



**Cable harnessing possible on request**

item no.	power conductors	single pairs individually shielded	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 8410407	19 AWG/ 4c	22 AWG/ 2pr	0.457 ± 0.020	11.6 ± 0.5	113
▶ 8410410	18 AWG/ 4c	19 AWG/ 2pr	0.465 ± 0.020	11.8 ± 0.5	135
▶ 8410415	16 AWG/ 4c	19 AWG/ 2pr	0.484 ± 0.020	12.3 ± 0.5	153
▶ 8410425	14 AWG/ 4c	18 AWG/ 2pr	0.571 ± 0.031	14.5 ± 0.8	215
▶ 8410441	12 AWG/ 4c	18 AWG/ 1pr + 16 AWG/ 1pr	0.685 ± 0.024	17.4 ± 0.6	308
▶ 8410461	10 AWG/ 4c	18 AWG/ 1pr + 16 AWG/ 1pr	0.744 ± 0.031	18.9 ± 0.8	374
▶ 8410471	8 AWG/ 4c	18 AWG/ 1pr + 16 AWG/ 1pr	0.803 ± 0.039	20.4 ± 1.0	495
▶ 8410485	6 AWG/ 4c	16 AWG/ 2pr	1.024 ± 0.031	26.0 ± 0.8	746
▶ 8410490	4 AWG/ 4c	16 AWG/ 2pr	1.157 ± 0.031	29.4 ± 0.8	1019
▶ 8410495	2 AWG/ 4c	16 AWG/ 2pr	1.232 ± 0.031	31.3 ± 0.8	1265
▶ 8410496	1 AWG/ 4c	14 AWG/ 2pr	1.504 ± 0.031	38.2 ± 0.8	1787

item no.	power conductors	single pairs individually shielded	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 8411415	16 AWG/ 4c	16 AWG/ 1pr	0.492 ± 0.012	12.5 ± 0.3	49
▶ 8411425	14 AWG/ 4c	16 AWG/ 1pr	0.524 ± 0.016	13.3 ± 0.4	191
▶ 8411440	12 AWG/ 4c	16 AWG/ 1pr	0.598 ± 0.016	15.2 ± 0.4	248
▶ 8411460	10 AWG/ 4c	16 AWG/ 1pr	0.654 ± 0.043	16.6 ± 1.1	326
▶ 8411470	8 AWG/ 4c	16 AWG/ 1pr	0.768 ± 0.063	19.5 ± 1.6	455
▶ 8411480	6 AWG/ 4c	16 AWG/ 1pr	0.933 ± 0.039	23.7 ± 1.0	685
▶ 8411490	4 AWG/ 4c	16 AWG/ 1pr	1.071 ± 0.028	27.2 ± 0.7	953
▶ 8411495	2 AWG/ 4c	16 AWG/ 1pr	1.185 ± 0.039	30.1 ± 1.0	1216
▶ 8411496	1 AWG/ 4c	16 AWG/ 1pr	1.354 ± 0.039	34.4 ± 1.0	1655

Other dimensions and colors are available on request

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8

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# Servo Motor Cables

## SL 834 C

PUR motor connection cable with overall tinned copper shield, low capacitance 0.6/1 kV



Item no. 20235 80°C CSA AWM I/II A/B 80°C 1000V FT1 FT2 CE

Marking for SL 834 C 8341604:

SAB BRÖCKSKES · D-VIERSEN · 8340415 4 x 1.5 mm² SL 834 C 16 AWG/4c 1000V 8341604 **DESINA** AWM Style 20235 80°C CSA AWM I/II A/B 80°C 1000V FT1 FT2 CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 6
<b>Insulation:</b>	special polymer
<b>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 and a green/yellow ground
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	non-woven tape
<b>Shielding:</b>	tinned copper braiding
<b>Jacket material:</b>	PUR
<b>Jacket color:</b>	orange (RAL 2003)

### Technical data:

<b>Nominal voltage:</b>	Uo/U 0.6/1 kV	
<b>Voltage UL/CSA:</b>	1000 V	
<b>Testing voltage:</b>	conductor/conductor:	4000 V
	conductor/shielding:	4000 V
<b>Min. bending radius:</b>		
fixed installation:	5 x O.D.	
free movement:	10 x O.D.	
for continuous flexing:	12 x O.D.	
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cuj/kg	
<b>Temperature range:</b>	DIN VDE	UL/CSA: up to +80°C
static:	-50/+90°C	
flexible:	-40/+90°C	
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1, CSA FT1, FT2	
<b>Oil resistance:</b>	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	
<b>Chemical resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids, etc.	
<b>Approvals:</b>	UR AWM, CSA AWM, CE, EAC, RoHS	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30	

### Outstanding features:

- UL recognition, CSA approval
- low capacitance construction
- very good EMC characteristics
- halogen-free
- very high flexibility
- suitable for cable tracks
- very good oil resistance
- very long service life
- adhesion-free installation
- free from paint wetting impairment substances (PWIS-free)
- flexible at low temperatures
- DESINA® colors (see page G/3)



for DNC motors  
on frequency converters

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 16 AWG (≈ 84/34) ▪ 1.50 mm<sup>2</sup></b>				
8341604	4	0.354	9.0	85
<b>▶ 14 AWG (≈ 140/34) ▪ 2.50 mm<sup>2</sup></b>				
8341404	4	0.425	10.8	131
<b>▶ 12 AWG (≈ 224/34) ▪ 4.00 mm<sup>2</sup></b>				
8341204	4	0.488	12.4	181

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 10 AWG (≈ 186/32) ▪ 6.00 mm<sup>2</sup></b>				
8341004	4	0.606	15.4	267
<b>▶ 8 AWG (≈ 320/32) ▪ 10.00 mm<sup>2</sup></b>				
8340804	4	0.693	17.6	406
<b>▶ 6 AWG (≈ 504/32) ▪ 16.00 mm<sup>2</sup></b>				
8340604	4	0.894	22.7	640

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 4 AWG (≈ 760/32) ▪ 25.00 mm<sup>2</sup></b>				
8340404	4	1.008	25.6	875
<b>▶ 2 AWG (≈ 1083/32) ▪ 35.00 mm<sup>2</sup></b>				
8340204	4	1.138	28.9	1176
<b>▶ 1 AWG (≈ 703/28) ▪ 50.00 mm<sup>2</sup></b>				
8340104	4	1.358	34.5	1670

Other dimensions and colors are available on request

DESINA<sup>®</sup> SIEMENS<sup>®</sup>

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# Servo Motor Cables

## SL 871 C

TPE motor connection cable with 1 or 2 pairs and overall tinned copper shield, low capacitance 0.6/1 kV



1000V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE



Marking for SL 871 C 8710415:

SAB BRÖCKSKES · D-VIERSEN · SL 871 C 4 x 1.5 mm<sup>2</sup> (1000V) + (2 x 1.5 mm<sup>2</sup>) (300V) 8710415 **DESINA** AWM Style 20235 80°C 1000V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 6 < 20 AWG with reference to VDE 0812
<b>Insulation:</b>	special polymer
<b>Color code:</b>	<u>supply conductors up to 08710496:</u> black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334 and a green/yellow ground <u>supply conductors up to 08711415:</u> conductor 1: U/L1/C/L+, conductor 2: V/L2 conductor 3: W/L3/D/L- and a green/yellow ground <u>control conductors:</u> with 1 control pair: black, white with 2 control pairs: black with numbers 5, 6 and 7, 8
<b>Stranding:</b>	control conductors: twisted to pairs
<b>Wrapping:</b>	control conductors: non-woven tape
<b>Shielding:</b>	control conductors: tinned copper braiding
<b>Wrapping:</b>	control conductors: non-woven tape
<b>Stranding:</b>	shielded control pairs and supply conductors twisted together with fillers in layers
<b>Wrapping:</b>	non-woven tape
<b>Shielding:</b>	overall tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with matte surface
<b>Jacket color:</b>	orange (RAL 2003)

### Technical data:

<b>Nominal voltage:</b>	supply conductors: .06/1 kV
<b>Peak operating voltage:</b>	control conductors: max. 350 V
<b>Voltage UL/CSA:</b>	supply conductors: 1000 V control conductors: 300 V from 08711415: 1000 V
<b>Testing voltage:</b>	
<i>supply conductors:</i>	conductor/conductor: 4000 V conductor/shielding: 4000 V
<i>control conductors:</i>	conductor/conductor: 2000 V conductor/shielding: 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>Temperature range:</b>	<b>DIN VDE</b> UL/CSA: up to +80°C <i>static:</i> -50/+90°C <i>flexible:</i> -40/+90°C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1, CSA FT1, FT2
<b>Oil resistance:</b>	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Chemical resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids, etc.
<b>Weather resistance:</b>	very good
<b>Approvals:</b>	UR AWM, CSA AWM, CE, EAC, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

G  
10

### Outstanding features:

- low capacitance construction
- very good EMC characteristics
- long service life
- adhesion-free installation
- suitable for cable tracks
- halogen-free
- free from paint wetting impairment substances (PWIS-free)
- flexible at low temperatures
- in accordance with Indramat INK and Siemens 6FX8008



**Cable harnessing possible on request**

item no.	power conductors	single pairs individually shielded	nominal outer-ø		cable weight
			inch	mm	≈lbs/mft
▶ 8710407	19 AWG/ 4c	22 AWG/ 2pr	0.457 ± 0.020	11.6 ± 0.5	113
▶ 8710410	18 AWG/ 4c	19 AWG/ 2pr	0.465 ± 0.020	11.8 ± 0.5	135
▶ 8710415	16 AWG/ 4c	19 AWG/ 2pr	0.484 ± 0.020	12.3 ± 0.5	151
▶ 8710425	14 AWG/ 4c	18 AWG/ 2pr	0.571 ± 0.031	14.5 ± 0.8	215
▶ 8710441	12 AWG/ 4c	18 AWG/ 1pr + 16 AWG/ 1pr	0.685 ± 0.024	17.4 ± 0.6	308
▶ 8710461	10 AWG/ 4c	18 AWG/ 1pr + 16 AWG/ 1pr	0.744 ± 0.031	18.9 ± 0.8	374
▶ 8710471	8 AWG/ 4c	18 AWG/ 1pr + 16 AWG/ 1pr	0.803 ± 0.039	20.4 ± 1.0	509
▶ 8710485	6 AWG/ 4c	16 AWG/ 2pr	1.024 ± 0.031	26.0 ± 0.8	746
▶ 8710490	4 AWG/ 4c	16 AWG/ 2pr	1.157 ± 0.031	29.4 ± 0.8	1019
▶ 8710495	2 AWG/ 4c	16 AWG/ 2pr	1.232 ± 0.031	31.3 ± 0.8	1265
▶ 8710496	1 AWG/ 4c	14 AWG/ 2pr	1.504 ± 0.031	38.2 ± 0.8	1787

item no.	power conductors	single pairs individually shielded	nominal outer-ø		cable weight
			inch	mm	≈lbs/mft
▶ 8711415	16 AWG/ 4c	16 AWG/ 1pr	0.472 ± 0.012	12.0 ± 0.3	134
▶ 8712415	16 AWG/ 4c	20 AWG/ 1pr	0.504 ± 0.012	12.8 ± 0.3	147
▶ 8711425	14 AWG/ 4c	16 AWG/ 1pr	0.512 ± 0.016	13.0 ± 0.4	195
▶ 8712425	14 AWG/ 4c	20 AWG/ 1pr	0.551 ± 0.016	14.0 ± 0.4	190
▶ 8711440	12 AWG/ 4c	16 AWG/ 1pr	0.591 ± 0.016	15.0 ± 0.4	228
▶ 8711460	10 AWG/ 4c	16 AWG/ 1pr	0.654 ± 0.043	16.6 ± 1.1	316
▶ 8711470	8 AWG/ 4c	16 AWG/ 1pr	0.768 ± 0.063	19.5 ± 1.6	470
▶ 8711480	6 AWG/ 4c	16 AWG/ 1pr	0.906 ± 0.039	23.0 ± 1.0	679
▶ 8711490	4 AWG/ 4c	16 AWG/ 1pr	1.063 ± 0.028	27.0 ± 0.7	974
▶ 8711495	2 AWG/ 4c	16 AWG/ 1pr	1.181 ± 0.039	30.0 ± 1.0	1451
▶ 8711496	1 AWG/ 4c	16 AWG/ 1pr	1.354 ± 0.039	34.4 ± 1.0	1982

Other dimensions and colors are available on request

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**DESINA**  
BOSCH REXROTH®



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866-722-2974 ■ info@sabcable.com

# Servo Motor Cables

## SL 875 C

TPE/PUR hybrid motor connection cable with overall tinned copper shield, low capacitance 0.6/1 kV



20910 80°C CSA AWM I/II A/B 80°C 300V FT1 FT2 CE



Marking for SL 875 C 8750105:

SAB BRÖCKSKES · D-VIERSEN · 8750105 SL 875 C 4G1.5 mm<sup>2</sup> (1000V) + (2 x 1.0 mm<sup>2</sup>)C (1000V) + (2 x AWG 22)C (1000V) **DESINA** AWM Style 20910 80°C CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 6 < 20 AWG with reference to VDE 0812
<b>Insulation:</b>	special polymer
<b>Color code:</b>	<b>item 087501..</b>
<b>supply conductors:</b>	black conductors with printing conductor 1: U/L1/C/L+ conductor 2: V/L2 conductor 3: W/L3/D/L- and a green/yellow ground
<b>control feedback pairs:</b>	pair #1: black numbered 5 & 6 pair #2: white/blue
<b>supply conductors:</b>	black, blue, brown, green/yellow
<b>control pair:</b>	white-blue/white-green
<b>feedback pairs:</b>	white-green/brown-green + gray-pink, yellow-violet
<b>Stranding:</b>	control conductors pairwise, <b>item 0875-01 ..</b> feedback conductors pairwise <b>item 0875-05 ..</b> feedback conductors 0.09 mm <sup>2</sup> pairwise pairs with conductors 0.24 mm <sup>2</sup> in layers optimally stranded
<b>Wrapping:</b>	non-woven tape resp. foil
<b>Shielding:</b>	elements with tinned copper braid <b>item 0875-01 ..</b> feedback conductors additional Alu-foil
<b>Wrapping:</b>	non-woven tape resp. foil
<b>Stranding:</b>	shielded elements and supply conductors in layers optimally stranded
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with matte surface
<b>Jacket color:</b>	orange (RAL 2003)

### Outstanding features:

- used as all-in-one cable solution for motor feedback systems
- low capacity construction
- very good EMC characteristics
- long service life
- adhesion-free installation
- suitable for cable tracks
- halogen-free
- free from paint wetting impairment substances (PWIS-free)
- flexible at low temperatures
- **DESINA®** colors (see page G/3)

### Technical data:

<b>Nominal voltage:</b>	<b>DIN VDE:</b> supply conductors: U <sub>0</sub> /U 0.6/1 kV
<b>Peak operating voltage:</b>	<b>DIN VDE:</b> control conductors + feedback conductors: max. 500 V
<b>Voltage UL/CSA:</b>	<b>UL:</b> 1000 V <b>CSA:</b> ≥ 20 AWG 1000 V < 20 AWG 300 V
<b>Testing voltage:</b>	
<b>supply conductors &amp; control conductors:</b>	conductor/conductor: 4000 V conductor/shielding: 4000 V
<b>feedback conductors:</b>	conductor/conductor: 3000 V conductor/shielding: 3000 V
<b>Min. bending radius:</b>	
<b>fixed installation:</b>	5 x O.D.
<b>free movement:</b>	10 x O.D.
<b>for continuous flexing:</b>	12 x O.D.
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg
<b>Temperature range:</b>	<b>DIN VDE</b> UL/CSA: up to +80°C <b>static:</b> -50/+90°C <b>flexible:</b> -40/+90°C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1, CSA FT1, FT2
<b>Oil resistance:</b>	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<b>Chemical resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids, etc.
<b>Weather resistance:</b>	very good
<b>Approvals:</b>	UR AWM, CSA AWM, CE, EAC, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

item no.	dimensions	nominal outer-ø approx.		cable weight ≈ lbs/mft
		inch	mm	
<b>acc. to SICK HIPERFACE DSL*</b>				
▶ 8750101	20 AWG/4c + (22 AWG/2c)C + (26 AWG/2c)C	0.386	9.8	88
▶ 8750102	19 AWG/4c + (22 AWG/2c)C + (26 AWG/2c)C	0.394	10.0	93
▶ 8750103	18 AWG/4c + (19 AWG/2c)C + (22 AWG/2c)C	0.465	11.8	134
▶ 8750104	16 AWG/4c + (19 AWG/2c)C + (22 AWG/2c)C	0.496	12.6	155
▶ 8750105	16 AWG/4c + (18 AWG/2c)C + (22 AWG/2c)C	0.504	12.8	159
▶ 8750106	14 AWG/4c + (18 AWG/2c)C + (22 AWG/2c)C	0.547	13.9	192
▶ 8750107	12 AWG/4c + (18 AWG/2c)C + (22 AWG/2c)C	0.606	15.4	253
▶ 8750108	10 AWG/4c + (18 AWG/2c)C + (22 AWG/2c)C	0.713	18.1	349
▶ 8750109	8 AWG/4c + (16 AWG/2c)C + (22 AWG/2c)C	0.787	20.0	480
▶ 8750110	6 AWG/4c + (16 AWG/2c)C + (22 AWG/2c)C	0.961	24.4	709
<b>acc. to HEIDENHAIN HMC*</b>				
▶ 8750501	19 AWG / 4c + (22 AWG / 2c)C + (24 AWG / 2c + 28 AWG / 2pr)C	0.425	10.8	110
▶ 8750502	16 AWG / 4c + (19 AWG / 2c)C + (24 AWG / 2c + 28 AWG / 2pr)C	0.476	12.1	147
▶ 8750503	14 AWG / 4c + (18 AWG / 2c)C + (24 AWG / 2c + 28 AWG / 2pr)C	0.539	13.7	189
▶ 8750504	12 AWG / 4c + (18 AWG / 2c)C + (24 AWG / 2c + 28 AWG / 2pr)C	0.606	15.4	241

Other dimensions and colors are available on request  
pair in ( ) denotes shielded. C = tinned copper braid.

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# Servo Motor Cables

## SL 842 C

TPE/PUR feedback cable with overall tinned copper shield



°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE



Marking for SL 842 C 8422009:

SAB BRÖCKSKES · D-VIERSEN · 8420050 9 x 0.5 mm<sup>2</sup> SL 842 C 20 AWG/9c 8422009 AWM-Style 20233 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

### Construction:

<b>Conductor:</b>	bare copper strands with reference to VDE 0812
<b>Insulation:</b>	TPE
<b>Color code:</b>	BU+GY+BK+BN+YE+GN+PK+RD+WH
<b>Stranding:</b>	in layers
<b>Stranding:</b>	conductors/pairs twisted together in layers
<b>Wrapping:</b>	one or two layers non-woven tape
<b>Shielding:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with matte surface
<b>Jacket color:</b>	orange (RAL 2003)

### Technical data:

<b>Peak operating voltage:</b>	max. 500 V	
<b>Voltage UL/CSA:</b>	300 V	
<b>Testing voltage:</b>	conductor/conductor:	2000 V
	conductor/shielding:	2000 V
<b>Min. bending radius:</b>		
fixed installation:	5 x O.D.	
free movement:	10 x O.D.	
for continuous flexing:	12 x O.D.	
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range:</b>	DIN VDE	UL/CSA: up to +80°C
static:	-50/+90°C	
flexible:	-40/+90°C	
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1, CSA FT1, FT2	
<b>Oil resistance:</b>	very good - TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	
<b>Chemical resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids, etc.	
<b>Weather resistance:</b>	very good	
<b>Approvals:</b>	UR AWM, CSA AWM, CE, EAC, RoHS	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30	

### Outstanding features:

- UL recognition, CSA approval
- good EMC characteristics
- high flexibility
- suitable for cable tracks
- oil resistant
- long service life
- adhesion-free installation
- halogen-free
- free from paint wetting impairment substances (PWIS-free)
- in accordance with Indramat INK

G  
12

item no.	dimensions	nominal outer-ø		cable weight ≈lbs/mft
		inch	mm	
▶ 8422009	20 AWG/ 9c	0.346 ± 0.012	8.8 ± 0.03	70

Other dimensions and colors are available on request



suitable for  
resolvers and shaft encoders

# 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

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# Servo Motor Cables

## SL 843 C

Composite TPE/PUR transmission cable with overall tinned copper shield



Marking for SL 843 C 8431050:

SAB BRÖCKSKES · D-VIERSEN · 8431050 SL 843 C 3 x (2 x 0.14 mm<sup>2</sup> D) + 4 x 0.22 mm<sup>2</sup> + 2 x 0.5 mm<sup>2</sup> **DESINA** AWM-Style 20235 80°C CSA AWM I/II A/B 80°C 300V FT1 CE

### Construction:

<b>Conductor:</b>	bare copper strands with reference to VDE 0812
<b>Insulation:</b>	TPE
<b>Color code:</b>	colored (see chart below)
<b>Stranding:</b>	in layers or pairwise
<b>Shielding:</b>	<i>acc. to dimension:</i> pairs with tinned copper wires braided or wrapped
<b>Inner jacket:</b>	TPE over shielded pairs
<b>Stranding:</b>	conductors/pairs twisted together in layers
<b>Wrapping:</b>	one or two layers non-woven tape
<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
<b>Jacket color:</b>	green (RAL 6018) or orange (RAL 2003)

### Technical data:

<b>Peak operating voltage:</b>	max. 350 V	
<b>Voltage UL/CSA:</b>	300 V	
<b>Testing voltage:</b>	conductor/conductor:	2000 V
	conductor/shielding:	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>	<b>DIN VDE</b>	<b>UL/CSA:</b>
<i>static:</i>	-50/+90°C	
<i>flexible:</i>	-40/+90°C	
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1, CSA FT1	
<b>Oil resistance:</b>	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	
<b>Chemical resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids, etc.	
<b>Weather resistance:</b>	very good	
<b>Approvals:</b>	UR AWM, CSA AWM, CE, EAC, RoHS	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30	

### Outstanding features:

- UL recognition, CSA approval
- good EMC characteristics
- suitable for cable tracks
- oil resistant
- long service life
- adhesion-free installation
- halogen-free
- free from paint wetting impairment substances (PWIS-free)
- in accordance with Indramat INK and Siemens 6FX8008



suitable for resolvers and shaft encoders

item no.	dimensions	jacket color	nominal outer-ø inch	mm	cable weight ≈lbs/mft	color codes
▶ 8430009	24/4pr + 20/2c	orange	0.346 ± 0.012	8.8 ± 0.3	62	(BN/GN+RD/BK+BU/VT+GY/PK) - (WH+BN)
▶ 8430010	24/4pr + 18/2c	orange	0.346 ± 0.012	8.8 ± 0.3	65	(BN/GN+RD/BK+BU/VT+GY/PK) - (WH+BN)
▶ 8430160	(24/3pr)D + 24/3c + 18/2c	orange	0.394 ± 0.012	10.0 ± 0.3	89	(GN/YE+GY/PK+BU/RD) - (GY-PK+RD-BU+WH-GN) - (WH+BN)
▶ 8430040	(24/3pr)D	orange	0.343 ± 0.012	8.7 ± 0.3	63	(WH/BN+GN/YE+GY/PK)
▶ 8430060	26/4pr + (26/4c)D + 18/4c	orange	0.386 ± 0.012	9.8 ± 0.3	91	(GY/PK+YE/VT+BN/GN+BK/RD) - (GN-BK+BU-BK+YE-BK+RD-BK) - (WH+BU+WH-GN+BN-GN)
▶ 8430012	26/4pr + 20/4c	green	0.358 ± 10%	9.1 ± 10%	68	(PK/GY+RD/BK+BN/GN+YE/VT) - (BU+WH+BN-GN+WH-GN)
▶ 8430112	26/10c + 20/2c	green	0.335 ± 10%	8.5 ± 10%	60	(WH+BN+GN+YE+GY+PK+BU+RD+BK+VT) - (WH+BN)
▶ 8430114	26/10c + 20/4c	green	0.354 ± 10%	9.0 ± 10%	71	(WH+BN+GN+YE+GY+PK+BU+RD+BK+VT) - (WH+BN+GN+YE)
▶ 8430006	24/3pr + 20/2c	green	0.343 ± 10%	8.7 ± 10%	60	(WH/BN+GN/YE+GY/PK) - (BU+RD)
▶ 8430013	22/4pr + 20/4c	green	0.406 ± 10%	10.3 ± 10%	91	(WH/BN+GN/YE+GY/PK+BU/RD) - (BK+VT+GY-PK+RD-BU)
▶ 8430020	(26/3pr)C + 18/2c	green	0.394 ± 10%	10.0 ± 10%	85	(GN/YE+GY/PK+BU/RD) - (WH+BN)
▶ 8430022	(26/3pr)C + (20/2c)C	green	0.398 ± 10%	10.1 ± 10%	90	(GN/YE+GY/PK+BU/RD) - (WH+BN)
▶ 8431050	(26/3pr)D + 26/4c + 24/4c + 20/2c	green	0.421 ± 10%	10.7 ± 10%	87	(RD/OR+BN/BK+GN/YE) - (BU+GY+WH-BK+WH-YE) - (BN-YE+GN-RD+BN-GY+GN-BK) - (BN-BU+BN-RD)
▶ 8430070	(26/3pr)D + 26/4c + 20/2c	green	0.398 ± 10%	10.1 ± 10%	82	(RD/OR+BN/BK+GN/YE) - (BU+GY+WH-BK+WH-YE) - (BN-BU+BN-RD)
▶ 8430310	24/12c	green	0.335 ± 10%	8.5 ± 10%	58	(WH+BN+GN+YE+GY+PK+BU+RD+BK+VT+GY-PK+RD-BU)
▶ 8430212	26/2pr	green	0.264 ± 10%	6.7 ± 10%	34	(WH/BN+GN/YE)
▶ 8430214	26/4pr	green	0.323 ± 10%	8.2 ± 10%	48	(WH/BN+GN/YE+GY/PK+BU/RD)
▶ 8430216	26/8pr	green	0.382 ± 10%	9.7 ± 10%	70	(WH/BN+GN/YE+GY/PK+BU/RD+BK/VT+GY-PK/RD-BU+WH-GN/BN-GN+WH-YE/BN)

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Other dimensions and colors are available on request  
pair in ( ) denotes shielded. C = tinned copper braid. D = tinned copper spiral.

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