

# 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 08422009:

SAB BRÖCKSKES · D-VIERSEN · 08420050 9 x 0.5 mm<sup>2</sup> SL 842 C 20 AWG/9c 08422009

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>	UL 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	
▶ 08422009	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