

SERVO MOTOR CABLES

SL 842 C TPE/PUR feedback cable with overall copper screen



20233 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

Marking for SL 842 C 08420050: SAB BRÖCKSKES · D-VIERSEN ·
08420050 9 x 0,5 mm² 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

SL 842 C is a continuous flexing UL recognized and CSA approved feedback cable with an overall tinned copper braid. This cable is designed for automated servo systems. It is ideally suited for automated applications, such as cable tracks, automated handling equipment, pick- and place units, gantry robots, machine tools and other continuous movement applications. An overall tinned copper braid is recommended whenever interference distorts signal transmission, or when EMI emissions need to be suppressed.

Construction:

Conductor:	bare copper strands acc. to DIN VDE 0812
Insulation:	TPE 510
Color code:	colored
Stranding:	in layers
Screen:	acc. to dimension: pairs screened or wrapped with tinned copper braid
Inner jacket:	TPE 510 over screened pairs
Stranding:	conductors/pairs twisted together in layers
Wrapping:	one or two layers non-woven tape
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
Jacket color:	orange

Outstanding features:

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

Technical data:

Peak operating voltage:	DIN VDE: max. 500 V	
Voltage:	UL/CSA: 300 V	
Testing voltage U:	2000 V	
Min. bending radius		
<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.	
Radiation resistance:	5 x 10 ⁷ cJ/kg	
Temperature range	DIN VDE	UL/CSA: up to +80 °C
<i>static:</i>	-50/+90 °C	
<i>flexing:</i>	-40/+90 °C	
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2, EN 60332-1-2, UL FT1 CSA FT1 FT2	
Oil resistance:	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10	
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.	
Weather resistance:	very good	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28	

item no.	dimensions	nominal outer-ø		cable weight ≈ lbs/mft
		inch	mm	
▶ 08422009	20 AWG / 9c	0.346 ± 0.012	8.8 ± 0.3	83

Other dimensions and colors are possible on request.



**suitable for
resolvers and
shaft encoders**