

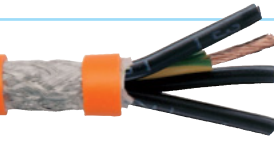
Servo Motor Cables

SL 833 C

PUR motor connection cable with TPE cores and overall copper screen 0.6/1 kV



20235 80°C CSA AWM I/II A/B 80°C 1000V FT1 FT2 CE



Marking for SL 833 C 08330415:

SAB BRÖCKSKES · D-VIERSEN · 08330415 4 x 1,5 mm² SL 833 C 16 AWG/4c 1000V 08331604

DESINA AWM Style 20235 80°C CSA AWM I/II A/B 80°C 1000V FT1 FT2 CE

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 6
Insulation:	TPE
Colour code:	black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334 and a green-yellow earth wire
Stranding:	in layers
Wrapping:	non-woven tape
Screen:	tinned copper braiding
Sheath material:	PU acc. to UL 758
Sheath colour:	orange (RAL 2003)

Technical data:

Nominal voltage:	U ₀ /U 0.6/1 kV	
Voltage UL/CSA:	1000 V	
Testing voltage:	core/core 4000 V	core/screen 4000 V
Min. bending radius		
fixed laying:	5 x d	
flexible application:	10 x d	
continuously flexible:	12 x d	
Radiation resistance:	5 x 10 ⁷ cJ/kg	
Temperature range	DIN VDE	UL/CSA: up to +80 °C
fixed laying:	-50/+80 °C	
flexible application:	-40/+80 °C	
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1, CSA FT1, FT2	
Oil resistance:	very good - oilrating 60 °C acc. to UL 1581	
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.	
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“	

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
- PWIS uncritical
(PWIS = paint-wetting impairment substances)
- flexible at low temperatures
- DESINA® colours (see page C/4)



for DNC motors
on frequency converters

item no.	no. of cores x cross section n x mm ²	AWG	largest single wire ø mm	outer-ø ± 5 % mm	copper figure kg/km	cable weight ≈ kg/km
08330415	4 x 1,50	16 / 4c	0,16	9,1	83,5	126
08330425	4 x 2,50	14 / 4c	0,16	11,0	142,5	192
08330440	4 x 4,00	12 / 4c	0,16	12,5	206,7	273
08330460	4 x 6,00	10 / 4c	0,21	15,5	298,3	399
08330470	4 x 10,00	8 / 4c	0,21	17,8	495,2	605
08330480	4 x 16,00	6 / 4c	0,21	22,8	750,0	951
08330490	4 x 25,00	4 / 4c	0,21	25,7	1120,2	1331
08330495	4 x 35,00	2 / 4c	0,21	29,2	1534,3	1732
08330496	4 x 50,00	1 / 4c	0,31	34,3	2144,0	2428

Other dimensions and colours are possible on request.

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