

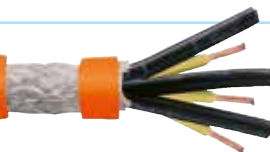
# Servo Motor Cables

## SL 835 C

symmetrical PUR motor connection cable with optimized EMC characteristics 0.6/1 kV



M Style 21223 I/II A/B 80°C 1000V FT1 FT2 E172204 CE



marking example:

SAB BRÖCKSKES · D-VIERSEN · 0835-0315 SL 835 C 3x1,5mm<sup>2</sup>+3G0,25mm<sup>2</sup> cULus AWM Style 21223 I/II A/B 80°C 1000V FT1 FT2 E172204 CE

### Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 6
Insulation:	special polymer
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:	alu foil and tinned copper braiding
Sheath material:	PUR
Sheath colour:	orange (RAL 2003)

### Outstanding features:

- » UL/cUL recognized
- » low capacity 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
- » PWIS uncritical  
(PWIS = paint-wetting impairment substances)
- » flexible at low temperatures

### Technical data:

Nominal voltage:	U <sub>0</sub> /U 0.6/1 kV
Voltage UL/cUL:	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
Temperature range	DIN VDE UL/cUL: up to +80 °C
fixed laying:	-50/+90 °C
flexible application:	-40/+90 °C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, cUL FT1, FT2
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
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 chapter N „Technical data“

EMC optimised by low capacity and earth symmetrical cable construction

item no.	dimension	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
08350315	3 x 1,50 + 3 G 0,25	0,16	9,2	76,8	121
08350325	3 x 2,50 + 3 G 0,50	0,16	11,5	138,2	202
08350340	3 x 4,00 + 3 G 0,75	0,16	12,7	197,0	264
08350360	3 x 6,00 + 3 G 1,00	0,21	14,2	263,7	341
08350370	3 x 10,00 + 3 G 1,50	0,21	16,5	430,7	523
08350380	3 x 16,00 + 3 G 2,50	0,21	19,8	649,4	772
08350390	3 x 25,00 + 3 G 4,00	0,21	22,8	973,2	1096
08350395	3 x 35,00 + 3 G 6,00	0,21	26,4	1345,8	1526
08350396	3 x 50,00 + 3 G 10,0	0,31	30,7	1926,7	2180

Other dimensions and colours are possible on request.

high symmetry and low coupling  
for low capacity power transmission  
at frequency converters