

Servo Motor Cables

SL 893 C

low capacity PUR incremental encoder and feedback cable with overall copper screen



marking example:
 SAB BRÜCKSKES · D-VIERSEN · 0893-0003 SL 893 C 5x2x0,25mm²+2x0,50 mm² **DESINA** c^{us} AWM Style 20233 I/II A/B 80°C 300V FT1 FT2 CE

Construction:	
Conductor:	bare copper strands with reference to VDE 0812 + IEC 60228, VDE 0295, class 6
Insulation:	special polymer
Colour code:	coloured
Stranding:	cores/pairs twisted together in layer
<i>depending on construction:</i>	
Screen:	wrapped with tinned copper braiding
Inner Sheath:	special polymer
Wrapping:	non-woven tape or foil
Screen:	tinned copper braiding
Wrapping:	non-woven tape or foil
Sheath material:	PUR
Sheath colour:	green (RAL 6018) or orange (RAL 2003)

Technical data:	
Peak operating voltage:	30 V (UL AWM Style 20236) or 300 V (UL AWM Style 20233)
Testing voltage:	core/core 600 V (at 30 V) core/screen 600 V (at 30 V) core/core 2000 V (at 300 V) core/screen 2000 V (at 300 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“

- ### Outstanding features:
- » UL/cUL recognized
 - » low capacity construction
 - » good EMC characteristics
 - » high flexibility
 - » suitable for cable tracks
 - » very good oil resistance
 - » long service life
 - » adhesion-free installation
 - » halogen-free
 - » PWIS uncritical
(PWIS = paint-wetting impairment substances)
 - » DESINA® colours (see page C/4)

suitable for resolvers, encoders and position signaling cable

DESINA

item no.	dimension	peak operating voltage	sheath color	outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
08930001	2 x 2 x 0,15 + 2 x 0,38	30 V	green	6,8 ± 0,3	46,9	62
08930002	2 x 2 x 0,20 + 2 x 0,38	30 V	green	6,8 ± 0,3	34,9	57
08930003	5 x 2 x 0,25 + 2 x 0,50	300 V	green	8,1 ± 0,3	57,3	85
08930004	(2x0,14) C + 6 x 2 x 0,25 + 2 x 0,50	300 V	green	8,8 ± 0,3	64,2	94
08930005	3 x 2 x 0,15 + 2 x 0,38	30 V	green	7,0 ± 0,3	49,6	67
08930006	4 x 2 x 0,14 + 4 x 0,50	300 V	green	8,5 ± 0,3	56,9	104
08930007	4 x 2 x 0,25 + 2 x 0,50	300 V	orange	8,8 ± 0,3	54,7	93
08930008	4 x 2 x 0,25 + 2 x 1,0	300 V	orange	8,2 ± 0,3	63,4	93
08930009	4 x 2 x 0,38 + 4 x 0,50	30 V	green	8,9 ± 0,3	71,8	106
08930010	3 x (2x0,14) D + 4 x 0,14 + 4 x 0,22 + 2 x 0,50	30 V	green	9,6 ± 0,3	72,1	108

Other dimensions and colours are possible on request.

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