

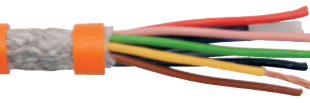
Servo Motor Cables



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

SL 843 C TPE/PUR transmission cable with overall copper screen

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

yle 20235 80°C CSA AWM I/II A/B 80°C 300V FT1 CE



Marking for SL 843 C 08431050:

SAB BRÖCKSKES · D-VIERSEN · 08431050 SL 843 C 3 x (2 x 0,14 mm² D) + 4 x 0,22 mm² + 2 x 0,5 mm²

DESINA AWM-Style 20235 80°C CSA AWM I/II A/B 80°C 300V FT1 CE

Construction:

Conductor:	bare copper strands with reference to VDE 0812
Insulation:	TPE
Colour code:	coloured
Stranding	SL 842 C: in layers SL 843 C: in layers or pairwise
Screen:	acc. to dimension: pairs with tinned copper wires braided or wrapped
Inner sheath:	TPE over screened pairs
Stranding:	cores/pairs twisted together in layers
Wrapping:	one or two layers non-woven tape
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Sheath material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with mat surface
Sheath colour	SL 842 C: orange (RAL 2003) SL 843 C: orange (RAL 2003) resp. green (RAL 6018)

Outstanding features:



- UL recognized, CSA approval
- good EMC characteristics
- high flexibility
- suitable for cable tracks
- oil resistant
- long service life
- adhesion-free installation
- halogen-free
- PWIS uncritical (PWIS = paint-wetting impairment substances)
- DESINA® colours (see page C/4)

Technical data:

Peak operating voltage		
SL 842 C:	max. 500 V	
SL 843 C:	max. 350 V	
Voltage UL/CSA:	300 V	
Testing voltage:	core/core	2000 V
	core/screen	2000 V
Min. bending radius		
<i>fixed laying:</i>	5 x d	
<i>flexible application:</i>	10 x d	
<i>continuously flexible:</i>	12 x d	
Radiation resistance:	5 x 10 ⁷ cJ/kg	
Temperature range	DIN VDE	UL/CSA: up to +80 °C
<i>fixed laying:</i>	-50/+90 °C	
<i>flexible application:</i>	-40/+90 °C	
Fire performance	flame retardant and self-extinguishing	
SL 842 C:	acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL FT1, CSA FT1, FT2	
Fire performance	flame retardant and self-extinguishing	
SL 843 C:	acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL/CSA FT1	
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“	



suitable for resolvers and shaft encoders

item no.	dimension	sheath colour	largest single wire ø mm	outer-ø approx. mm	copper figure kg/km	cable weight ≈ kg/km
motor feedback cable						
08420050	9 x 0,50	orange	0,16	8,8 ± 0,3	72,6	104
transmission cable						
08430009	4 x 2 x 0,25 + 2 x 0,50	orange	0,11/0,16	8,8 ± 0,3	54,7	92
08430010	4 x 2 x 0,25 + 2 x 1,00	orange	0,11/0,16	8,8 ± 0,3	63,5	96
08430160	3 x (2 x 0,25) D + 3 x 0,25 + 2 x 1,00	orange	0,11/0,16	10,0 ± 0,3	85,6	132
08430040	3 x (2 x 0,25) D	orange	0,11	8,7 ± 0,3	57,7	94
08430060	4 x 2 x 0,14 + (4 x 0,14) D + 4 x 1,0	orange	0,11/0,16	9,8 ± 0,3	88,7	136
08430012	4 x 2 x 0,14 + 4 x 0,50	green	0,11/0,16	9,1 ± 10%	56,9	101
08430112	10 x 0,14 + 2 x 0,50	green	0,11/0,16	8,5 ± 10%	46,8	90
08430114	10 x 0,14 + 4 x 0,50	green	0,11/0,16	9,0 ± 10%	59,5	106
08430006	3 x 2 x 0,25 + 2 x 0,50	green	0,11/0,16	8,7 ± 10%	50,1	89
08430013	4 x 2 x 0,38 + 4 x 0,50	green	0,11/0,16	10,3 ± 10%	80,6	135
08430020	3 x (2 x 0,14) C + 2 x 1,00	green	0,11/0,16	10,0 ± 10%	85,8	127
08430022	3 x (2 x 0,14) C + 2 x (0,50 C)	green	0,11/0,16	10,1 ± 10%	93,0	134
08431050	3 x (2 x 0,14) D + 4 x 0,14 + 4 x 0,22 + 2 x 0,50	green	0,11	10,7 ± 10%	97,9	129
08430070	3 x (2 x 0,14) D + 4 x 0,14 + 2 x 0,50	green	0,11/0,16	10,1 ± 10%	71,5	122
08430310	12 x 0,22	green	0,11	8,5 ± 10%	46,4	86
08430212	2 x 2 x 0,18	green	0,11	6,7 ± 10%	24,2	50
08430214	4 x 2 x 0,18	green	0,11	8,2 ± 10%	34,9	71
08430216	8 x 2 x 0,18	green	0,11	9,7 ± 10%	55,2	104

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Other dimensions and colours are possible on request.

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