



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

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



Marking for SL 842 C 08420050:  
SAB BRÖCKSKES · D-VIERSEN · 08420050 9 x 0,5 mm<sup>2</sup> 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

Marking for SL 843 C 08430006:  
SAB BRÖCKSKES · D-VIERSEN · 08430006 SL 843 C 3 x 2 x 0,25 mm<sup>2</sup> + 2 x 0,5 mm<sup>2</sup>  
DESINA AWM-Style 20235 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to DIN VDE 0812
<b>Insulation:</b>	TPE
<b>Colour code:</b>	coloured
<b>Stranding</b>	
SL 842 C:	in layers
SL 843 C:	in layers or pairwise
<b>Screen:</b>	acc. to dimension: pairs screened or wrapped with tinned copper braid
<b>Inner sheath:</b>	TPE over screened pairs
<b>Stranding:</b>	cores/pairs twisted together in layers
<b>Wrapping:</b>	one or two layers non-woven tape
<b>Screen:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Sheath material:</b>	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
<b>Sheath colour:</b>	orange (RAL 2003) or green (RAL 6018)

### Outstanding features:

- UL recognized, CSA approval
- good EMC characteristics
- high flexibility
- oil resistant
- long service life
- adhesion-free installation
- halogen-free
- labs uncritical  
(labs = enamel moisturing interfering substances)
- DESINA® colours (see page C/4)

### Technical data:

<b>Peak operating voltage</b>	<b>DIN VDE</b>	
SL 842 C:	max. 500 V	
SL 843 C:	max. 350 V	
<b>Voltage:</b>	<b>UL/CSA:</b> 300 V	
<b>Testing voltage U:</b>	2000 V	
<b>Min. bending radius</b>		
fixed laying:	5 x d	
flexible application:	10 x d	
continuously flexible:	12 x d	
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range</b>	<b>DIN VDE</b>	<b>UL/CSA:</b> up to +80 °C
fixed laying:	-50/+90 °C	
flexible application:	-40/+90 °C	
<b>Fire performance</b>	flame retardant and self-extinguishing acc. to	
SL 842 C:	IEC 60332-1-2, EN 60332-1-2, UL FT1 and CSA FT1 FT2	
<b>Fire performance</b>	flame retardant and self-extinguishing acc. to	
SL 843 C:	IEC 60332-1-2, EN 60332-1-2, UL FT1 and CSA FT1	
<b>Oil resistance:</b>	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10	
<b>Chem. resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.	
<b>Weather resistance:</b>	very good	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/14	

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## suitable for resolvers and shaft encoders

item no.	dimensions	sheath colour	largest single wire ø mm	ca. outer-ø 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	9,7 ± 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	8,2 ± 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

Other dimensions and colours are possible on request.