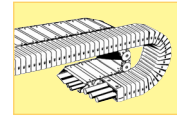


# Servo Cables with UL/CSA approvals



**SL 842C** TPE / PUR 피복 / feedback 케이블 / 구리망설드

**SL 843C** TPE / PUR 데이터전송용 / 구리망설드



RoHS

Marking for SL 842 C 08420050  
SAB BRÖCKSKES D-VIERSEN SL 842 C 9x0,5mm<sup>2</sup> AWM-Style 20235  
80°C 300V CSA AWM I/II A/B 80°C 300V FT1 CE

Marking for SL 843 C 08430112 SAB BRÖCKSKES D-VIERSEN SL 843 C 10x0,14mm<sup>2</sup> + 2x0,5mm<sup>2</sup>  
AWM-Style 20235 80°C 300 V CSA AWM I/II A/B 80°C 300V FT1 CE

## Construction (케이블구성)

<b>Conductor</b> (도체)	bare copper strands acc. to DIN VDE 0295class 6 + IEC 60228 class 6+ HD 383 class 6
<b>Insulation</b> (내피재질)	TPE 510
<b>Core code</b> (코어식별)	coloured
<b>Stranding</b> (도체연선)	SL 842 C – in layers SL 843 C – in layers or pairwise
<b>Screen</b> (필드형식)	acc. to dimension: pairs screened with tinned copper braid
<b>Inner sheath</b> (중피)	TPE 510 over screened pairs
<b>Stranding</b> (도체연선)	cores/pairs twisted together in layers
<b>Wrapping</b>	one or two layers non-woven tape
<b>Screen</b> (필드형식)	tinned copper braiding
<b>Wrapping</b>	non-woven tape
<b>Sheath material</b> (외피재질)	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
<b>Sheath colour</b> (외피색상)	orange (RAL 2003) or green (RAL 6018)

## Technical data (기술사항)

<b>Peak operating voltage</b> (최고사용전압)	<b>DIN VDE :</b> SL 842 C: max. 500V SL 843 C: max. 350V
<b>Voltage</b> (전압)	<b>UL/CSA :</b> 300V
<b>Testing voltage</b> (시험전압)	2000V
<b>Min. bending radius</b> (곡률반경)	fixed laying 5 x d flexible application 10 x d continuously flexible 12 x d
<b>Radiation resistance</b> (내방사성)	5 x 10 <sup>7</sup> cJ/kg
<b>Temperature range</b> (사용온도)	<b>DIN VDE</b> -50 / +90°C <b>UL/CSA :</b> up to +80 flexible application -40 / +90°C
<b>Fire performance</b> (내화성관련)	flame retardant and self-extinguishing acc. to IEC 60332-1, CSA FT1 und UL FT1
<b>Oil resistance</b> (내유성)	very good – TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
<b>Chem. resistance</b> (내화학성)	good against acids, alkalines, solvents, hydraulic liquids etc.
<b>Weather resistance</b> (내후성)	very good
<b>Absence of harmful substances</b>	acc. to RoHS-guideline 2002/95/ EG as well as GefStoffv appendix IV–no. 24

## Outstanding features (특징)

- ▶ good EMC characteristics (탁월한 EMC기능)
- ▶ high flexibility (고유연성)
- ▶ oil resistant (내유성)
- ▶ long service life (장수명 보장)
- ▶ adhesion-free installation (피복 마모성 강화)
- ▶ halogen-free (할로겐 프리)
- ▶ labs uncritical (labs = enamel moisturing interfering substances) (에나멜 내습성 강화)
- ▶ DESINA® colours (공작기계 협회기준 피복색상 적용)



리졸버 + 엔코더용

	item no.	no. of cores x cross section n x mm <sup>2</sup>	sheath colour	largest single wire ø mm	ca. outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
INDRAMAT	motor feedback cable						
	08420050	9 x 0,50	orange	0,16	8,8 ± 0,3	72,6	123
	transmission cable						
	08430009	4 x 2 x 0,25 + 2 x 0,50	orange	0,11/0,16	8,8 ± 0,3	54,7	103
	08430010	4 x 2 x 0,25 + 2 x 1,00	orange	0,11/0,16	8,8 ± 0,3	63,4	112
	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	84,9	139
SIEMENS	08430040	3 x (2 x 0,25) D	orange	0,11	8,7 ± 0,3	57,2	96
	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	88,6	141
	08430012	4 x 2 x 0,14 + 4 x 0,50	green	0,11/0,16	9,1 ± 10%	56,9	107
	08430112	10 x 0,14 + 2 x 0,50	green	0,11/0,16	8,2 ± 10%	46,8	84
	08430114	10 x 0,14 + 4 x 0,50	green	0,11/0,16	8,8 ± 10%	59,5	101
	08430006	3 x 2 x 0,25 + 2 x 0,50	green	0,11/0,16	8,7 ± 10%	50,1	87
	08430013	4 x 2 x 0,38 + 4 x 0,50	green	0,11/0,16	10,1 ± 10%	80,6	134
	08430020	3 x (2 x 0,14) C + 2 x 1,00	green	0,11/0,16	9,8 ± 10%	80,4	121
	08430022	3 x (2 x 0,14) C + 2 x (0,50 C)	green	0,11/0,16	9,9 ± 10%	88,8	129
	08431050	3 x (2 x 0,14) D + 4 x 0,14 + 4 x 0,22 + 2 x 0,50	green	0,11	11,1 ± 10%	97,9	153
	08430070	3 x (2 x 0,14) D + 4 x 0,14 + 2 x 0,50	green	0,11/0,16	9,9 ± 10%	71,5	123
	08430310	12 x 0,22	green	0,11	7,8 ± 10%	46,2	90
	08430212	2 x 2 x 0,18	green	0,11	6,4 ± 10%	22,2	51
	08430214	4 x 2 x 0,18	green	0,11	7,8 ± 10%	34,7	70
	08430216	8 x 2 x 0,18	green	0,11	9,3 ± 10%	55,1	101

Other dimensions and colours are possible on request.



Thomas Cable