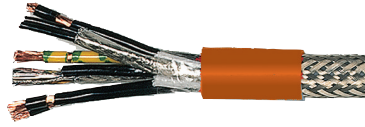


# Servo Cables with UL/CSA approvals

TPE / PUR 복합형 모터용 / 구리망설드 / 0.6/1kV **SL 841 C**

**RoHS**



SAB BROCKSKES D-VIERSEN SL 841C **CE** **RoHS**

Marking for SL 841 C 08410407 SAB BRÖCKSKES D-VIERSEN SL 841 C 4x0,75+2x(2x0,34mm<sup>2</sup>)  
AWM Style 20235 80°C 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)	black cores with consecutive numbers acc. to DIN VDE 0293 + HD 186 (except 0,34 mm <sup>2</sup> = coloured) and a green-yellow earth wire supply cores : * U1, V2, W3 and a green-yellow earth wire control cores : ** BR1 and BR2
<b>from item no. 08411415</b>	
<b>Stranding</b> (도체연선)	control cores 0,34 mm <sup>2</sup> - 2,5 mm <sup>2</sup> twisted to pairs
<b>Screen</b> (필드형식)	pairs wrapped with Alu-foil, tinned copper braid
<b>Wrapping</b>	pairs with mit PETP foil
<b>Stranding</b> (도체연선)	screened control pairs and supply cores twisted together in layers
<b>Wrapping</b>	two layers non-woven tape
<b>Screen</b> (필드형식)	overall copper screen
<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)

## Technical data (기술사항)

<b>Nominal voltage</b> (사용전압)	<b>DIN VDE</b> : supply cores U <sub>0</sub> /U 0.6/1kV
<b>Voltage</b> (전압)	<b>UL/CSA</b> : supplycores 1000V
<b>Peak operating voltage</b> (최고사용전압)	<b>DIN VDE</b> : control cores max. 350V
<b>Voltage</b> (전압)	<b>UL/CSA</b> : control cores max. 300V
<b>Testing voltage</b> (시험전압)	supply cores 4000V
<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°C
fixed laying	-40 / +90°C
flexible application	
<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.toDIN 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 Gefstovf appendix IV-no. 24

## Outstanding features (특징)

- ▶ very good EMC characteristics (탁월한 EMC기능)
- ▶ long service life (유연성 향상)
- ▶ adhesion-free installation (피복 마모성 저하)
- ▶ high flexibility (고유연성)
- ▶ suitable for cable tracks
- ▶ halogen-free (할로겐 프리)
- ▶ labs uncritical (labs = enamel moisturing interfering substances) (에나멜 내습성 강화)
- ▶ flexible at low temperatures (저온에서 유연성 탁월)
- ▶ DESIN® colours (공작기계 협회기준 피복색상 적용)



요청에 따라  
하네스 완제품  
공급가능

	item no.	no. of cores x cross section n x mm <sup>2</sup>	supply cores	AWG control cores (pairs)	largest single wire ø mm	outer-ø mm	copper figure kg/km	cable weight ≈ kg/km
INDRAMAT	08410407	4 x 0,75 + 2 x (2 x 0,34)	19 / 4c	22 / 2pr	0,16/0,11	11,0 ± 0,5	119,7	171
	08410410	4 x 1,00 + 2 x (2 x 0,75)	18 / 4c	19 / 2pr	0,16	12,0 ± 0,5	153,3	216
	08410415	4 x 1,50 + 2 x (2 x 0,75)	16 / 4c	19 / 2pr	0,16	12,2 ± 0,5	173,5	241
	08410425	4 x 2,50 + 2 x (2 x 1,00)	14 / 4c	18 / 2pr	0,16	15,0 ± 0,8	236,5	339
	08410441	4 x 4,00 + (2 x 1,00) + (2 x 1,50)	12 / 4c	18 / 1pr + 16 / 1pr	0,16	17,8 ± 0,6	349,9	482
	08410461	4 x 6,00 + (2 x 1,00) + (2 x 1,50)	10 / 4c	18 / 1pr + 16 / 1pr	0,21/0,16	18,6 ± 0,8	438,3	596
	08410471	4 x 10,00 + (2 x 1,00) + (2 x 1,50)	8 / 4c	18 / 1pr + 16 / 1pr	0,21/0,16	22,5 ± 1,0	613,5	823
	08410485	4 x 16,00 + 2 x (2 x 1,50)	6 / 4c	16 / 2pr	0,21/0,16	27,6 ± 0,8	882,0	1166
	08410490	4 x 25,00 + 2 x (2 x 1,50)	4 / 4c	16 / 2pr	0,21/0,16	30,4 ± 0,8	1255,5	1657
	08410495	4 x 35,00 + 2 x (2 x 1,50)	2 / 4c	16 / 2pr	0,21/0,16	32,4 ± 0,8	1648,9	2050
SIEMENS	08410496	4 x 50,00 + 2 x (2 x 2,50)	1 / 4c	14 / 2pr	0,31/0,16	38,4 ± 0,8	2277,6	2858
	08411415	4 x 1,50 + (2 x 1,50)	16 / 4c	16 / 1pr	0,16	12,5 ± 0,4	156,5	223
	08411425	4 x 2,50 + (2 x 1,50)	14 / 4c	16 / 1pr	0,16	13,8 ± 0,4	201,6	285
	08411440	4 x 4,00 + (2 x 1,50)	12 / 4c	16 / 1pr	0,16	14,9 ± 0,4	269,8	371
	08411460	4 x 6,00 + (2 x 1,50)	10 / 4c	16 / 1pr	0,21/0,16	16,7 ± 1,1	379,1	509
	08411470	4 x 10,00 + (2 x 1,50)	8 / 4c	16 / 1pr	0,21/0,16	19,2 ± 1,6	546,1	709
	08411480	4 x 16,00 + (2 x 1,50)	6 / 4c	16 / 1pr	0,21/0,16	23,0 ± 1,7	802,5	1086
	08411490	4 x 25,00 + (2 x 1,50)	4 / 4c	16 / 1pr	0,21/0,16	26,9 ± 1,0	1188,9	1532
	08411495	4 x 35,00 + (2 x 1,50)	2 / 4c	16 / 1pr	0,21/0,16	31,0 ± 1,0	1595,1	2028
	08411496	4 x 50,00 + (2 x 1,50)	1 / 4c	16 / 1pr	0,31/0,16	34,8 ± 1,0	2206,0	2728

Other dimensions and colours are possible on request.



Thomas Cable