

# Flexible Control Cables



## CC 640 CP PUR 피복 / 칼라코어 / 할로겐프리 / 내유성 / 구리망섀드



RoHS

Marking for CC 640 CP 52840415

SAB BRÖCKSKES D-VIERSEN CC 640 CP 4 x 1,50mm<sup>2</sup> 16 AWG 4c AWM Style 21127  
75°C 600V E172204 CSA AWM I/II A/B 80°C 600V FT1 FT2 LL104758 CE

### Construction (케이블구성)

<b>Conductor</b> (도체)	tinned copper strands acc. to DIN VDE 0295 class 5+ IEC 60228 class 5+ HD 383 class 5
<b>Insulation</b> (내피재질)	232
<b>Core code</b> (코어식별)	US 1, 별첨참조
<b>Stranding</b> (도체연선)	in layers with a non-woven tape over the outer layer
<b>Screen</b> (섀드형식)	tinned copper braiding
<b>Wrapping</b>	non-woven tape
<b>Sheath material</b> (외피재질)	PUR, TPU acc. to DIN VDE 0282 part 10+ HD 22.10
<b>Sheath colour</b> (외피색상)	yellow (RAL 1012)

### Outstanding features (특징)

- ▶ oil resistant (내유성)
- ▶ abrasion resistant (내마모성)
- ▶ notch ductile (내충성)
- ▶ good chemical resistance (내화학적성)
- ▶ good EMC characteristics (탁월한 EMC기능)

### Technical data (기술사항)

<b>Nominal voltage</b> (사용전압)	<b>DIN VDE</b> U <sub>0</sub> /U 300/500V	<b>UL/CSA</b> 600V	
<b>Testing voltage</b> (시험전압)	3000V acc. to DIN VDE 0281 part 2 + HD 21.2 core/screen 1000V		
<b>Min. bending radius</b> (곡률반경) fixed laying flexible application	5 x d 10 x d		
<b>Radiation resistance</b> (내방사성)	5 x 10 <sup>3</sup> cJ/kg		
<b>Temperature range</b> (사용온도) fixed laying flexible application	<b>DIN VDE</b> -50/+90°C -40/+90°C	<b>UL</b> up to +75°C up to +75°C	<b>CSA</b> up to +80°C up to +80°C
<b>Halogen-free</b> (할로겐프리)	acc. to DIN VDE 0472 part 815 and IEC 60754-1		
<b>Fire performance</b> (내화성관련)	flame retardant and self-extinguishing acc. to IEC 60332-1 + EN 50265-2-1 + VDE 0482 part 265-2-1, UL VW-1, CSA FT1 FT2		
<b>Corrosiveness of conflagration gases</b>	in compliance with IEC 60754-2 and EN 50267-2-2 + VDE 0472 part 267-2-2 – no development of corrosive conflagration gases		
<b>Oil resistance</b> (내유성)	very good – PUR TPU acc. to DIN VDE 0282 part 10 + HD 22.10		
<b>Flexibilit</b> (유연성)	very good		
<b>Weather resistance</b> (내후성)	very good		
<b>Absence of harmful substances</b>	acc tp. RoHS-guideline 2002/95/ EG as well as Gefstoffs appendix IV-no. 24		

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
52840210	2 x 1,00	0,21	8,0	34,1	83
52840310	3 x 1,00	0,21	8,3	45,0	95
52840410	4 x 1,00	0,21	8,8	55,9	110
52840510	5 x 1,00	0,21	9,5	67,0	128
52840710	7 x 1,00	0,21	10,1	87,8	156
52841210	12 x 1,00	0,21	12,8	154,5	249
52840215	2 x 1,50	0,26	8,6	45,1	100
52840315	3 x 1,50	0,26	9,0	60,8	116
52840415	4 x 1,50	0,26	9,6	76,6	136
52840515	5 x 1,50	0,26	10,3	92,7	158
52840715	7 x 1,50	0,26	11,1	123,4	197
52841215	12 x 1,50	0,26	14,0	215,8	315

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
52840225	2 x 2,50	0,26	9,9	68,6	139
52840325	3 x 2,50	0,26	10,4	92,7	163
52840425	4 x 2,50	0,26	11,1	118,6	194
52840525	5 x 2,50	0,26	12,2	159,0	244
52840725	7 x 2,50	0,26	13,2	207,5	302
52840340	3 x 4,00	0,31	11,8	150,1	233
52840440	4 x 4,00	0,31	12,8	192,9	282
52840540	5 x 4,00	0,31	13,9	234,9	337
52840360	3 x 6,00	0,31	13,5	215,6	320
52840460	4 x 6,00	0,31	14,6	277,6	389
52840560	5 x 6,00	0,31	16,4	356,1	493

Other dimensions and colours are possible on request.



**Sheath also possible in black or orange**

#### Note

- ✓ EMC 기능 강화
- ✓ 내마모성 강화
- ✓ 찢겨짐 없음

#### Note

- ✓ 내화학적성 강화
- ✓ Halogen-free