



# Flexible Control Cables

PUR 피복 / 칼라코어 / 할로겐프리 / 내유성 / 내유연성

CC 640 P

RoHS



Marking for CC 640 P 52680415  
SAB BRÖCKSKES D-VIERSEN 52680415 4 x 1,5 mm<sup>2</sup>  
CC 640 P 16 AWG 4c 52681604 AWM Style 21127 75°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 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, 칼라코어, 별첨참조
<b>Stranding</b> (도체연선)	in layers with a non-woven tape over the outer layer
<b>Sheath material</b> (외피재질)	PUR, TPU acc. to DIN VDE 0282 part 10 + HD 22.10
<b>Sheath colour</b> (외피색상)	yellow (RAL 1021)

## Outstanding features (특징)

- ▶ oil resistant (내유성)
- ▶ abrasion resistant (내마모성)
- ▶ notch resistant (내물성)
- ▶ good chemical resistance (내화학성)
- ▶ Halogen-free

## 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	
<b>Min. bending radius</b> (곡률반경)		
fixed laying	4 x d	
flexible application	6 x d	
<b>Radiation resistance</b> (내방사성)	5 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range</b> (사용온도)	<b>DIN VDE</b>	<b>UL</b> <b>CSA</b>
fixed laying	-50 / +90°C	up to +75°C up to +80°C
flexible application	-40 / +90°C	up to +75°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 and 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 – PURTPU acc. to DIN VDE 0282 part 10 + HD 22.10	
<b>Flexibility</b> (유연성)	very good	
<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	

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
52680210	2 x 1,00	0,21	7,0	19,2	61
52680310	3 x 1,00	0,21	7,4	28,8	72
52680410	4 x 1,00	0,21	7,9	38,4	86
52680510	5 x 1,00	0,21	8,5	48,0	101
52680710	7 x 1,00	0,21	9,2	67,2	127
52681210	12 x 1,00	0,21	11,6	115,2	199
52680215	2 x 1,50	0,26	7,6	28,8	75
52680315	3 x 1,50	0,26	8,0	43,2	90
52680415	4 x 1,50	0,26	8,6	57,6	109
52680515	5 x 1,50	0,26	9,3	72,0	129
52680715	7 x 1,50	0,26	10,1	100,8	165
52681215	12 x 1,50	0,26	12,8	172,8	261

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
52680225	2 x 2,50	0,26	8,4	48,0	101
52680325	3 x 2,50	0,26	8,9	72,0	124
52680425	4 x 2,50	0,26	9,6	96,0	152
52680525	5 x 2,50	0,26	10,4	120,0	182
52680725	7 x 2,50	0,26	11,3	168,0	235
52680340	3 x 4,00	0,31	10,8	115,2	190
52680440	4 x 4,00	0,31	11,7	153,6	234
52680540	5 x 4,00	0,31	12,8	192,0	284
52680360	3 x 6,00	0,31	12,3	172,8	256
52680460	4 x 6,00	0,31	13,4	230,4	321
52680560	5 x 6,00	0,31	14,7	288,0	404

Other dimensions and colours are possible on request.



**Sheath also possible  
in black or orange**

### Note

✓ 사용온도 :  
-50°C ~ +90°C