

also available  
with black  
or orange jacket

# FLEXIBLE CONTROL CABLES



## CC 640 CP Halogen free oil resistant shielded control cable with colored conductors



**A**  
**36**

Marking for CC 640 CP 52841604: SAB BRÖCKSKES · D-VIERSEN ·

52840415 4 x 1,50 mm<sup>2</sup> CC 640 CP 16 AWG/4c 52841604 AWM Style 21127 75°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

CC 640 CP is a flexible multi-conductor, 600 V, 80°C UL-approved TPE insulated flexible power supply and control cable with a rugged, abrasion resistant polyurethane jacket. The polyurethane jacket allows this cable to be used both indoor and outdoor in wet, dry, and extremely cold conditions. The cable is flame retardant and is colored safety yellow. It has been safety tested with UL. Recommended applications include power supply for portable hand tools and appliances. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

### Construction:

<b>Conductor:</b>	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	SABIX® 231
<b>Color code:</b>	US 1, see page N/23
<b>Stranding:</b>	in layers with a non-woven tape over the outer layer
<b>Screen:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	PUR, TPU acc. to DIN VDE 0282 part 10 + HD 22.10
<b>Jacket color:</b>	yellow

### Outstanding features:

- oil resistant
- abrasion resistant
- notch resistant
- good chemical resistance
- good EMC characteristics

### Technical data:

<b>Nominal voltage:</b>	<b>DIN VDE</b> U <sub>0</sub> /U 300/500 V	<b>UL/CSA</b> 600 V
<b>Testing voltage U:</b>	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2 conductor/screen 1000 V	
<b>Min. bending radius</b> <i>fixed installation:</i>	5 x O.D.	
<i>free movement:</i>	10 x O.D.	
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range</b> <i>static:</i>	<b>DIN VDE</b> -40/+90 °C	<b>UL</b> up to +75°C
<i>flexing:</i>	-30/+90 °C	up to +75°C
<b>Zero halogen:</b>	acc. to DIN VDE 0472 part 815 and IEC 60754-1	
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1, CSA FT1 and FT2	
<b>Oil resistance:</b>	very good - PUR TPU acc. to DIN VDE 0282 part 10 + HD 22.10	
<b>Flexibilität:</b>	very good	
<b>Weather resistance:</b>	very good	
<b>Absence of harmful substances:</b>	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25	

item no.	no. of conductors incl. ground	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 18 AWG (30/32) • 1.00 mm<sup>2</sup></b>				
52841802	2	0.315	8.0	56
52841803	3	0.327	8.3	64
52841804	4	0.346	8.8	74
52841805	5	0.374	9.5	86
52841807	7	0.398	10.1	105
52841812	12	0.504	12.8	167

item no.	no. of conductors incl. ground	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 16 AWG (27-29/30) • 1.50 mm<sup>2</sup></b>				
52841602	2	0.339	8.6	67
52841603	3	0.354	9.0	78
52841604	4	0.378	9.6	91
52841605	5	0.406	10.3	106
52841607	7	0.437	11.1	132
52841612	12	0.551	14.0	212

item no.	no. of conductors incl. ground	nominal inch	outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 14 AWG (46/30) • 2.50 mm<sup>2</sup></b>				
52841402	2	0.390	9.9	93
52841403	3	0.409	10.4	110
52841404	4	0.437	11.1	130
52841405	5	0.480	12.2	164
52841407	7	0.520	13.2	203
<b>▶ 12 AWG (52/28) • 4.00 mm<sup>2</sup></b>				
52841203	3	0.465	11.8	157
52841204	4	0.504	12.8	190
52841205	5	0.547	13.9	226
<b>▶ 10 AWG (78/28) • 6.00 mm<sup>2</sup></b>				
52841003	3	0.531	13.5	215
52841004	4	0.575	14.6	261
52841005	5	0.646	16.4	331

Other dimensions and colors are possible on request.

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Web site: [www.sabcable.com](http://www.sabcable.com)