

# FLEXIBLE CONTROL CABLES

also available with blue and red conductors and black or orange jacket

## CC 600 CP Oil resistant, tear resistant, flexible TPE outer jacket shielded control cable



600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

Marking for CC 600 CP 02811825: SAB BRÖCKSKES · D-VIERSEN ·

02812510 25 x 1,0 mm<sup>2</sup> CC 600 CP 18 AWG/25c 02811825 AWM Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

CC 600 CP is a multi-conductor, 600 V, 80°C oil resistant shielded control cable. The specially blended TPE outer jacket provides an excellent chemical and abrasion resistance as well as being tear resistant and halogen free with low flame propagation. The overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. For use in harsh environments.

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33

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	PVC, Tl2 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
<b>Stranding:</b>	in layers
<b>Wrapping:</b>	PETP foil
<b>Screen:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	TPE outer jacket
<b>Jacket color:</b>	gray

### 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>	<b>DIN VDE</b>	<b>UL/CSA:</b> up to +80 °C
<i>static:</i>	-40/+70 °C	
<i>flexing:</i>	+5/+70 °C	
<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 - oil rating 60°C acc. to UL 1581	
<b>Chem. resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/28	

### Outstanding features:

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

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 20 AWG (≈ 16/32) • 0.50 mm<sup>2</sup></b>				
02812002	2	0.264	6.7	42
02812003	3	0.276	7.0	47
02812004	4	0.291	7.4	54
02812005	5	0.315	8.0	64
02812007	7	0.335	8.5	75
02812009	9	0.386	9.8	86
02812012	12	0.417	10.6	112
02812018	18	0.488	12.4	165
02812025	25	0.567	14.4	211
<b>▶ 19 AWG (≈ 23/32) • 0.75 mm<sup>2</sup></b>				
02811902	2	0.283	7.2	48
02811903	3	0.295	7.5	55
02811904	4	0.315	8.0	64
02811905	5	0.339	8.6	75
02811907	7	0.390	9.9	99
02811909	9	0.441	11.2	120
02811912	12	0.465	11.8	147
02811918	18	0.531	13.5	200
02811925	25	0.646	16.4	278

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 18 AWG (≈ 30/32) • 1.00 mm<sup>2</sup></b>				
02811802	2	0.291	7.4	53
02811803	3	0.303	7.7	61
02811804	4	0.327	8.3	72
02811805	5	0.350	8.9	85
02811807	7	0.402	10.2	113
02811809	9	0.457	11.6	135
02811812	12	0.480	12.2	167
02811818	18	0.555	14.1	233
02811825	25	0.669	17.0	324
<b>▶ 16 AWG (≈ 27-29/30) • 1.50 mm<sup>2</sup></b>				
02811603	3	0.331	8.4	75
02811604	4	0.354	9.0	89
02811605	5	0.382	9.7	107
02811607	7	0.449	11.4	151
02811609	9	0.508	12.9	173
02811612	12	0.531	13.5	212
02811618	18	0.634	16.1	319
02811625	25	0.744	18.9	421

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 14 AWG (≈ 46/30) • 2.50 mm<sup>2</sup></b>				
02811403	3	0.382	9.7	106
02811404	4	0.409	10.4	127
02811405	5	0.453	11.5	161
02811407	7	0.528	13.4	219
02811409	9	0.614	15.6	265
02811412	12	0.650	16.5	333
02811418	18	0.752	19.1	473
02811425	25	0.949	24.1	667
<b>▶ 12 AWG (≈ 52/28) • 4.00 mm<sup>2</sup></b>				
02811203	3	0.445	11.3	156
02811204	4	0.480	12.2	189
02811205	5	0.524	13.3	228
<b>▶ 10 AWG (≈ 78/28) • 6.00 mm<sup>2</sup></b>				
02811003	3	0.516	13.1	217
02811004	4	0.559	14.2	265
02811005	5	0.618	15.7	335
<b>▶ 8 AWG (≈ 77/26) • 10.00 mm<sup>2</sup></b>				
02810804	4	0.748	19.0	465

Other dimensions and colors are possible on request.



**Drain Wire available upon request!**

E-mail: [info@sabcable.com](mailto:info@sabcable.com)



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