

# FLEXIBLE CONTROL CABLES

also available with orange jacket

## CC 500 CP Shielded oil resistant, tear resistant, flexible PUR control cable



Marking for CC 500 CP 02801210:  
SAB BRÖCKSKES · D-VIERSEN · SAB 260 CP CC 500 CP 12 x 1,0 mm² CE

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CC 500 CP is a multi-conductor, shielded, flexible oil resistant control cable. The special polyurethane jacket provides an excellent chemical and abrasion resistance as well as being tear resistant. An overall tinned copper shield is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. For use in harsh environments.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	PVC, T12 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>Jacket material:</b>	PUR, TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with rough surface
<b>Jacket color:</b>	gray

### Outstanding features:

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

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 300/500 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>	-40/+70 °C
<i>flexing:</i>	+5/+70 °C
<b>Oil resistance:</b>	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
<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

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 20 AWG (≈ 16/32) • 0.50 mm<sup>2</sup></b>				
02800205	2	0.209	5.3	24
02800305	3	0.220	5.6	29
02800405	4	0.236	6.0	36
02800505	5	0.256	6.5	43
02800705	7	0.276	7.0	52
02801205	12	0.354	9.0	82
02801805	18	0.437	11.1	132
02802505	25	0.512	13.0	168
<b>▶ 19 AWG (≈ 23/32) • 0.75 mm<sup>2</sup></b>				
02800207	2	0.232	5.9	30
02800307	3	0.244	6.2	37
02800407	4	0.264	6.7	45
02800507	5	0.287	7.3	56
02800707	7	0.311	7.9	69
02801207	12	0.425	10.8	122
02801807	18	0.492	12.5	173
02802507	25	0.606	15.4	246

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 18 AWG (≈ 30/32) • 1.00 mm<sup>2</sup></b>				
02800210	2	0.240	6.1	34
02800310	3	0.252	6.4	42
02800410	4	0.272	6.9	52
02800510	5	0.299	7.6	65
02800710	7	0.323	8.2	81
02801210	12	0.441	11.2	143
02801810	18	0.520	13.2	200
02802510	25	0.638	16.2	285
<b>▶ 16 AWG (≈ 27-29/30) • 1.50 mm<sup>2</sup></b>				
02800215	2	0.264	6.7	42
02800315	3	0.280	7.1	54
02800415	4	0.303	7.7	67
02800515	5	0.331	8.4	81
02800715	7	0.358	9.1	106
02801215	12	0.492	12.5	185
02801815	18	0.594	15.1	287
02802515	25	0.720	18.3	386

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 14 AWG (≈ 46/30) • 2.50 mm<sup>2</sup></b>				
02800225	2	0.311	7.9	61
02800325	3	0.331	8.4	79
02800425	4	0.358	9.1	99
02800525	5	0.413	10.5	136
02800725	7	0.453	11.5	174
02801225	12	0.614	15.6	300
02801825	18	0.728	18.5	442
02802525	25	0.882	22.4	589
<b>▶ 12 AWG (≈ 52/28) • 4.00 mm<sup>2</sup></b>				
02800340	3	0.394	10.0	119
02800440	4	0.437	11.1	158
02800540	5	0.480	12.2	196
<b>▶ 10 AWG (≈ 78/28) • 6.00 mm<sup>2</sup></b>				
02800460	4	0.504	12.8	222
02800560	5	0.571	14.5	280
<b>▶ 8 AWG (≈ 77/26) • 10.00 mm<sup>2</sup></b>				
02800461	4	0.661	16.8	388

Other dimensions and colors are possible on request.

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