

# FLEXIBLE CONTROL CABLES

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

## CC 540 CP Halogen free oil resistant shielded control cable with colored conductors



Marking for CC 540 CP 52850415:  
SAB BRÖCKSKES · D-VIERSEN · CC 540 CP 450/750V 4 G 1,5 mm² CE

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CC 540 CP is a multi-conductor, flexible power supply cable with a rugged, abrasion resistant polyurethane jacket. The polyurethane jacket allows this cable to be used both indoors and outdoors, in wet, dry, cold or hot conditions. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. The cable is flame retardant and is colored safety yellow. Recommended applications include power supply for portable hand tools and appliances.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	SABIX® 231
<b>Color code:</b>	colored acc. to HD 308 (VDE 0293 part 308); green-yellow earth wire from 3 conductors
<b>Stranding:</b>	in layers
<b>Insulation:</b>	SABIX® 231
<b>Screen:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	PUR, TMPU acc. to DIN VDE 0282 part 10 + HD 21.1
<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>	U <sub>0</sub> /U 300/500 V from 19 AWG - 18 AWG U <sub>0</sub> /U 450/750 V from 18 AWG - 6 AWG
<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/+90 °C
<i>flexing:</i>	-30/+90 °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
<b>Corrosivity:</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>	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>Flexibility:</b>	very good
<b>Weather resistance:</b>	good
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/28

#### 300/500 V

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 19 AWG (≈ 23/32) • 0.75 mm <sup>2</sup>				
52850207	2	0.335	8.5	69
52850307	3	0.354	9.0	77
52850407	4	0.378	9.6	87
52850507	5	0.413	10.5	106
▶ 18 AWG (≈ 30/32) • 1.00 mm <sup>2</sup>				
52850211	2	0.354	9.0	78
52850311	3	0.370	9.4	86
52850411	4	0.394	10.0	99
52850511	5	0.429	10.9	118

#### 450/750 V

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 18 AWG (≈ 30/32) • 1.00 mm <sup>2</sup>				
52850210	2	0.386	9.8	91
52850310	3	0.409	10.4	103
52850410	4	0.437	11.1	117
52850510	5	0.488	12.4	145
▶ 16 AWG (≈ 27-29/30) • 1.50 mm <sup>2</sup>				
52850215	2	0.417	10.6	110
52850315	3	0.437	11.1	120
52850415	4	0.484	12.3	146
52850515	5	0.535	13.6	183
▶ 14 AWG (≈ 46/30) • 2.50 mm <sup>2</sup>				
52850225	2	0.484	12.3	154
52850325	3	0.508	12.9	171
52850425	4	0.559	14.2	208
52850525	5	0.614	15.6	248
▶ 12 AWG (≈ 52/28) • 4.00 mm <sup>2</sup>				
52850240	2	0.555	14.1	213
52850340	3	0.591	15.0	242
52850440	4	0.642	16.3	288
52850540	5	0.705	17.9	344

#### 450/750 V

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 10 AWG (≈ 78/28) • 6.00 mm <sup>2</sup>				
52850260	2	0.610	15.5	266
52850360	3	0.650	16.5	309
52850460	4	0.705	17.9	365
52850560	5	0.783	19.9	449
▶ 8 AWG (≈ 77/26) • 10.00 mm <sup>2</sup>				
52850261	2	0.756	19.2	422
52850361	3	0.795	20.2	483
52850461	4	0.874	22.2	585
52850561	5	0.969	24.6	716
▶ 6 AWG (≈ 122/26) • 16.00 mm <sup>2</sup>				
52850262	2	0.870	22.1	585
52850362	3	0.925	23.5	684
52850462	4	1.016	25.8	831
52850562	5	1.126	28.6	1017

Other dimensions and colors are possible on request.

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