

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

## CC 600 black Oil resistant 90°C flexible control cable with black conductors

600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE



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Marking for CC 600 black 02041840: SAB BRÖCKSKES · D-VIERSEN ·

02044010 40 x 1,0 mm<sup>2</sup> CC 600 black 18 AWG/40c 02041840 VDE-Reg.-Nr. 7000 AWM Style 2587 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE

CC 600 black is a multi-conductor, 600 V, 90°C, UL, CSA and VDE approved, oil resistant flexible control cable. The reduced outer diameter permits easy handling and installation in confined areas. Our specially designed PVC jacket passes the stringent requirements of the VDE test 0281 part 1 and HD 21.1 oil test providing the best oil resistance available for a PVC jacket. CC 600 black control cables are designed for use in all electrical equipment in dry, damp and wet conditions. Recommended applications are machine tools, control systems, assembly lines, CNC machining centers, grinding machines, bottling equipment, data processing equipment and connections between control panels and machines.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to DIN VDE 0295 class 5 + IEC 60228 class 5 + HD 383 class 5
<b>Insulation:</b>	PVC, TI2 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Color code:</b>	black conductors with consecutive numbers acc. to DIN VDE 0293 + HD 186; green-yellow earth wire from 3 conductors
<b>Stranding:</b>	in layers
<b>Jacket material:</b>	PVC, TM5 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Jacket color:</b>	gray

### Outstanding features:

- UL and CSA approved
- high mechanical loading capacity
- oil resistant

### 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	
<b>Min. bending radius</b> <i>fixed installation:</i>	< 12 mm = 3 x O.D. > 12 mm = 4 x O.D.	
<i>free movement:</i>	< 12 mm = 5 x O.D. > 12 mm = 6 x O.D.	
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range</b> <i>static:</i> <i>flexing:</i>	<b>DIN VDE</b> -40/+70 °C +5/+70 °C	<b>UL+CSA:</b> up to +90°C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1, UL VW1, CSA FT1 and FT2	
<b>Oil resistance:</b>	very good - TM5 acc. to DIN VDE 0281 part 1 + HD 21.1	
<b>Chem. resistance:</b>	see page L/9	

item no.	no. of conductors incl. ground	nominal outer- inch	nominal outer- mm	cable weight = lbs/mft	item no.	no. of conductors incl. ground	nominal outer- inch	nominal outer- mm	cable weight = lbs/mft	item no.	no. of conductors incl. ground	nominal outer- inch	nominal outer- mm	cable weight = lbs/mft
<b>▶ 20 AWG (17/32) • 0.50 mm<sup>2</sup></b>					<b>▶ 18 AWG (30/32) • 1.00 mm<sup>2</sup></b>					<b>▶ 14 AWG (46/30) • 2.50 mm<sup>2</sup></b>				
02042002	2	0.209	5.3	27	02041812	12	0.445	11.3	142	02041402	2	0.319	8.1	73
02042003	3	0.220	5.6	32	02041814	14	0.476	12.1	165	02041403	3	0.339	8.6	89
02042004	4	0.264	6.7	48	02041818	18	0.535	13.6	209	02041404	4	0.339	8.6	89
02042005	5	0.264	6.7	48	02041825	25	0.646	16.4	286	02041405	5	0.417	10.6	141
02042007	7	0.283	7.2	58	02041830	30	0.669	17.0	331	02041407	7	0.457	11.6	179
02042008	8	0.335	8.5	77	02041834	34	0.728	18.5	380	02041408	8	0.543	13.8	233
02042009	9	0.335	8.5	77	02041840	40	0.783	19.9	447	02041409	9	0.543	13.8	233
02042010	10	0.370	9.4	85	02041861	61	0.933	23.7	654	02041410	10	0.598	15.2	260
02042012	12	0.382	9.7	96	<b>▶ 16 AWG (27-29/30) • 1.50 mm<sup>2</sup></b>					02041412	12	0.618	15.7	299
02042014	14	0.398	10.1	108	02041602	2	0.264	6.7	48	02041418	18	0.736	18.7	440
02042016	16	0.429	10.9	126	02041603	3	0.280	7.1	58	02041425	25	0.909	23.1	612
02042018	18	0.449	11.4	139	02041604	4	0.280	7.1	58	<b>▶ 12 AWG (52/28) • 4.00 mm<sup>2</sup></b>				
02042025	25	0.547	13.9	190	02041605	5	0.339	8.6	90	02041203	3	0.402	10.2	132
02042030	30	0.563	14.3	218	02041607	7	0.378	9.6	116	02041204	4	0.496	12.6	209
02042034	34	0.614	15.6	251	02041608	8	0.441	11.2	149	02041205	5	0.496	12.6	209
02042040	40	0.665	16.9	296	02041609	9	0.441	11.2	149	02041207	7	0.547	13.9	271
02042061	61	0.780	19.8	424	02041610	10	0.488	12.4	167	<b>▶ 10 AWG (78/28) • 6.00 mm<sup>2</sup></b>				
<b>▶ 18 AWG (30/32) • 1.00 mm<sup>2</sup></b>					02041612	12	0.504	12.8	191	02041003	3	0.476	12.1	193
02041802	2	0.236	6.0	37	02041614	14	0.535	13.6	220	02041004	4	0.520	13.2	239
02041803	3	0.252	6.4	46	02041616	16	0.563	14.3	249	02041005	5	0.587	14.9	303
02041804	4	0.252	6.4	46	02041618	18	0.602	15.3	282	<b>▶ 8 AWG (77/26) • 10.00 mm<sup>2</sup></b>				
02041805	5	0.307	7.8	70	02041625	25	0.728	18.5	386	02040804	4	0.701	17.8	423
02041807	7	0.335	8.5	87	02041630	30	0.760	19.3	453	02040805	5	0.780	19.8	527
02041808	8	0.390	9.9	106	02041634	34	0.827	21.0	519	<b>▶ 6 AWG (119/26) • 16.00 mm<sup>2</sup></b>				
02041809	9	0.390	9.9	106	02041640	40	0.902	22.9	620	02040604	4	0.850	21.6	635
02041810	10	0.433	11.0	125	02041661	61	1.051	26.7	891	<b>▶ 4 AWG (196/26) • 25.00 mm<sup>2</sup></b>				
										02040404	4	1.051	26.7	1006
										<b>▶ 2 AWG (280/26) • 35.00 mm<sup>2</sup></b>				
										02040204	4	1.197	30.4	1368

Other dimensions and colors are possible on request.

