

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

# FLEXIBLE CONTROL CABLES



## CC 600 T Oil resistant 105°C flexible control cable



Marking for CC 600 T 02581825: SAB BRÖCKSKES · D-VIERSEN ·  
25 G 1,0 mm<sup>2</sup> CC 600 T 18 AWG/25c 02581825 AWM Style 2586 105°C 600V CSA AWM I/II A/B 105°C 600V FT1 FT2 CE

CC 600 T is a multi-conductor, 600 V, 105°C, UL recognized and CSA approved, flexible control cable. The reduced outer diameter permits easy handling and installation in confined areas. CC 600 T 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>	<b>AWG 20 - AWG 10</b> bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5 <b>AWG 8 - AWG 2</b> bare copper strands acc. to UL/CSA
<b>Insulation:</b>	special heat resistant PVC
<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>Jacket material:</b>	special heat resistant PVC
<b>Jacket color:</b>	gray

### Outstanding features:

- UL recognized and CSA approved
- Temperature range up to + 105°C

### Technical data:

<b>Nominal voltage:</b>	<b>DIN VDE</b> Uo/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>	<b>DIN VDE</b>	<b>UL/CSA:</b> up to +105°C
<i>static:</i>	-40/+90 °C	
<i>flexing:</i>	+5/+90 °C	
<i>short-time use:</i>	+105 °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>	acc. to internal standard, see page N/27	
<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	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	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>					<b>▶ 18 AWG (≈ 30/32) • 1.00 mm<sup>2</sup></b>					<b>▶ 14 AWG (≈ 46/30) • 2.50 mm<sup>2</sup></b>				
02582002	2	0.205	5.2	26	02581802	2	0.236	6.0	37	02581402	2	0.319	8.1	72
02582003	3	0.220	5.6	31	02581803	3	0.252	6.4	45	02581403	3	0.339	8.7	91
02582004	4	0.236	6.0	37	02581804	4	0.272	6.9	52	02581404	4	0.366	9.3	106
02582005	5	0.264	6.7	47	02581805	5	0.307	7.8	70	02581405	5	0.417	10.6	141
02582007	7	0.287	7.3	58	02581807	7	0.339	8.6	88	02581407	7	0.457	11.7	180
02582008	8	0.339	8.6	69	02581808	8	0.394	10.0	103	02581408	8	0.543	13.8	214
02582009	9	0.362	9.2	78	02581809	9	0.417	10.6	111	02581409	9	0.579	14.7	231
02582010	10	0.370	9.4	83	02581810	10	0.433	11.0	125	02581410	10	0.598	15.2	260
02582012	12	0.382	9.7	94	02581812	12	0.449	11.4	144	02581412	12	0.618	15.8	301
02582014	14	0.402	10.2	107	02581814	14	0.476	12.1	165	02581418	18	0.736	18.8	444
02582016	16	0.429	10.9	123	02581818	18	0.535	13.6	212	02581425	25	0.909	23.1	612
02582018	18	0.453	11.5	138	02581825	25	0.657	16.7	286	<b>▶ 12 AWG (≈ 52/28) • 4.00 mm<sup>2</sup></b>				
02582025	25	0.547	13.9	185	<b>▶ 16 AWG (≈ 27-29/30) • 1.50 mm<sup>2</sup></b>					02581203	3	0.402	10.8	143
<b>▶ 19 AWG (≈ 23/32) • 0.75 mm<sup>2</sup></b>					02581602	2	0.260	6.6	46	02581204	4	0.437	11.1	157
02581903	3	0.244	6.2	40	02581603	3	0.280	7.1	58	02581205	5	0.496	13.2	222
02581904	4	0.260	6.6	45	02581604	4	0.303	7.7	69	02581207	7	0.547	15.5	294
02581905	5	0.291	7.4	59	02581605	5	0.343	8.7	91	<b>▶ 10 AWG (≈ 78/28) • 6.00 mm<sup>2</sup></b>				
02581907	7	0.323	8.2	75	02581607	7	0.378	9.6	116	02581003	3	0.476	12.1	193
02581908	8	0.378	9.6	97	02581608	8	0.433	11.0	136	02581004	4	0.520	13.3	241
02581909	9	0.402	10.2	96	02581609	9	0.472	12.0	148	02581005	5	0.587	14.9	303
02581910	10	0.417	10.6	108	02581610	10	0.488	12.4	166	<b>▶ 8 AWG (≈ 77/26) • 10.00 mm<sup>2</sup></b>				
02581912	12	0.429	10.9	123	02581612	12	0.508	12.9	193	02580804	4	0.701	17.8	423
02581914	14	0.453	11.5	140	02581614	14	0.535	13.6	220	02580805	5	0.780	19.8	528
02581916	16	0.480	12.2	160	02581616	16	0.567	14.4	251	<b>▶ 6 AWG (≈ 119/26) • 16.00 mm<sup>2</sup></b>				
02581918	18	0.512	13.0	180	02581618	18	0.602	15.3	282	02580604	4	0.850	22.8	671
02581925	25	0.618	15.7	242	02581625	25	0.732	18.6	389	<b>▶ 4 AWG (≈ 196/26) • 25.00 mm<sup>2</sup></b>				
										02580404	4	1.051	27.5	1018
										<b>▶ 2 AWG (≈ 280/26) • 35.00 mm<sup>2</sup></b>				
										02580204	4	1.197	30.9	1368

Other dimensions and colors are possible on request.

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



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