

# FLEXIBLE CONTROL CABLES

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

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



Marking for CC 600 DS T 02871425: SAB BRÖCKSKES · D-VIERSEN ·  
25 x 2,5 mm<sup>2</sup> CC 600 DS T 02871425 14 AWG/25c AWM Style 2586 105°C 600V CSA AWM I/II A/B 105°C 600V FT1 FT2 CE

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CC 600 DS T is a multi-conductor, 600 V, 105°C, UL recognized and CSA approved flexible double shielded control cable. The reduced outer diameter permits easy handling and installation in confined areas. An overall tinned copper braid combined with alu foil is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. CC 600 DS 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>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<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>Wrapping:</b>	Alu-foil with tinned drain wire
<b>Screen:</b>	tinned copper braiding
<b>Jacket material:</b>	special heat resistant PVC
<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>	8 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range</b> <i>static:</i>	<b>DIN VDE</b> -40/+90 °C	<b>UL/CSA:</b> up to +105°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/26	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/26	

### Outstanding features:

- ▶ **UL recognized and CSA approved**
- ▶ **Temperature range up to + 105°C**
- ▶ **very good EMC characteristics**

item no.	no. of conductors incl. ground	Drain Wire	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 20 AWG (≈ 16/32) • 0.50 mm<sup>2</sup></b>					
02872002	2	20 AWG	0.248	6.3	36
02872003	3	20 AWG	0.264	6.7	43
02872004	4	20 AWG	0.280	7.1	50
02872007	7	20 AWG	0.331	8.4	73
02872009	9	20 AWG	0.398	10.1	97
02872012	12	20 AWG	0.441	11.2	128
02872015	15	20 AWG	0.484	12.3	151
02872025	25	20 AWG	0.602	15.3	225
<b>▶ 18 AWG (≈ 30/32) • 1.00 mm<sup>2</sup></b>					
02871802	2	18 AWG	0.295	7.5	51
02871803	3	18 AWG	0.307	7.8	61
02871804	4	18 AWG	0.331	8.4	71
02871805	5	18 AWG	0.362	9.2	86
02871807	7	18 AWG	0.390	9.9	105
02871809	9	18 AWG	0.476	12.1	134
02871812	12	18 AWG	0.516	13.1	178
02871815	15	18 AWG	0.563	14.3	214
02871818	18	18 AWG	0.598	15.2	246
02871825	25	18 AWG	0.717	18.2	341
02871850	50	18 AWG	0.945	24.0	618
<b>▶ 16 AWG (≈ 27-29/30) • 1.50 mm<sup>2</sup></b>					
02871602	2	16 AWG	0.311	7.9	60
02871603	3	16 AWG	0.339	8.6	75
02871604	4	16 AWG	0.370	9.4	91
02871605	5	16 AWG	0.406	10.3	111
02871607	7	16 AWG	0.445	11.3	146
02871609	9	16 AWG	0.539	13.7	192

item no.	no. of conductors incl. ground	Drain Wire	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 16 AWG (≈ 27-29/30) • 1.50 mm<sup>2</sup></b>					
02871612	12	16 AWG	0.579	14.7	232
02871615	15	16 AWG	0.638	16.2	282
02871618	18	16 AWG	0.685	17.4	339
02871625	25	16 AWG	0.811	20.6	453
02871650	50	16 AWG	1.059	26.9	821
<b>▶ 14 AWG (≈ 46/30) • 2.50 mm<sup>2</sup></b>					
02871403	3	14 AWG	0.413	10.5	115
02871404	4	14 AWG	0.449	11.4	148
02871405	5	14 AWG	0.496	12.6	178
02871407	7	14 AWG	0.539	13.7	218
02871409	9	14 AWG	0.661	16.8	319
02871412	12	14 AWG	0.709	18.0	362
02871418	18	14 AWG	0.827	21.0	504
02871425	25	14 AWG	0.988	25.1	688
<b>▶ 12 AWG (≈ 52/28) • 4.00 mm<sup>2</sup></b>					
02871203	3	14 AWG	0.476	12.1	159
02871204	4	14 AWG	0.524	13.3	198
02871205	5	14 AWG	0.567	14.4	238
02871207	7	14 AWG	0.638	16.2	312
<b>▶ 10 AWG (≈ 78/28) • 6.00 mm<sup>2</sup></b>					
02871003	3	14 AWG	0.547	13.9	218
02871004	4	14 AWG	0.594	15.1	268
02871005	5	14 AWG	0.654	16.6	326
<b>▶ 8 AWG (≈ 77/26) • 10.00 mm<sup>2</sup></b>					
02870804	4	14 AWG	0.780	19.8	473

Other dimensions and colors are possible on request.

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