

# FLEXIBLE CONTROL CABLES

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

## CC 600 CY T Oil resistant 105°C flexible shielded control cable, AWG 20 - AWG 10



Marking for CC 600 CY T 02781850: SAB BRÖCKSKES · D-VIERSEN · 50 x 1,0 mm<sup>2</sup> CC 600 CY T 18 AWG/50c 02781850 AWM Style 2586 105°C 600V CSA AWM I/II A/B 105°C 600V FT1 FT2 CE

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17

CC 600 CY T is a multi-conductor, 600 V, 105°C, UL recognized and CSA approved flexible shielded control cable. The reduced outer diameter permits easy handling and installation in confined areas. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. CC 600 CY 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 with PETP foil over the outer layer
<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/27	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/28	

### Outstanding features:

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

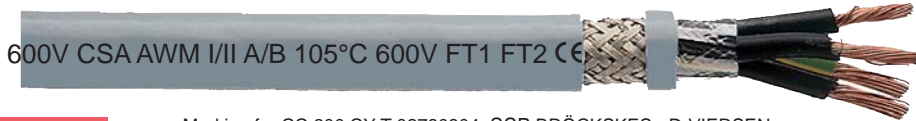
item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 20 AWG (≈ 16/32) • 0.50 mm<sup>2</sup></b>					<b>▶ 16 AWG (≈ 27-29/30) • 1.50 mm<sup>2</sup></b>					<b>▶ 12 AWG (≈ 52/28) • 4.00 mm<sup>2</sup></b>				
02782002	2	0.228	5.8	30	02781602	2	0.291	7.4	54	02781203	3	0.437	11.1	144
02782003	3	0.244	6.2	37	02781603	3	0.315	8.0	69	02781204	4	0.480	12.2	179
02782004	4	0.268	6.8	50	02781604	4	0.339	8.6	85	02781205	5	0.531	13.5	235
02782007	7	0.319	8.1	72	02781605	5	0.374	9.5	103	02781207	7	0.575	14.6	285
02782009	9	0.374	9.5	88	02781607	7	0.406	10.3	132	<b>▶ 10 AWG (≈ 78/28) • 6.00 mm<sup>2</sup></b>				
02782012	12	0.417	10.6	119	02781609	9	0.500	12.7	175	02781003	3	0.504	12.8	197
02782015	15	0.457	11.6	142	02781612	12	0.539	13.7	214	02781004	4	0.555	14.1	252
02782025	25	0.575	14.6	216	02781615	15	0.598	15.2	269	02781005	5	0.614	15.6	309
<b>▶ 18 AWG (≈ 30/32) • 1.00 mm<sup>2</sup></b>					<b>▶ 14 AWG (≈ 46/30) • 2.50 mm<sup>2</sup></b>					Continued on next page				
02781802	2	0.268	6.8	45	02781618	18	0.630	16.0	303					
02781803	3	0.280	7.1	54	02781625	25	0.772	19.6	436					
02781804	4	0.311	7.9	68	02781650	50	1.020	25.9	805					
02781805	5	0.335	8.5	81										
02781807	7	0.370	9.4	102										
02781809	9	0.445	11.3	125										
02781812	12	0.480	12.2	165										
02781815	15	0.535	13.6	206										
02781818	18	0.563	14.3	233										
02781825	25	0.681	17.3	327										
02781850	50	0.906	23.0	599	02781403	3	0.374	9.5	100					
					02781404	4	0.402	10.2	126					
					02781405	5	0.445	11.3	152					
					02781407	7	0.492	12.5	196					
					02781409	9	0.614	15.6	249					
					02781412	12	0.654	16.6	324					
					02781418	18	0.780	19.8	482					
					02781425	25	0.941	23.9	658					

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

# FLEXIBLE CONTROL CABLES



## CC 600 CY T Oil resistant 105°C flexible shielded control cable, AWG 8 - AWG 2



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18

Marking for CC 600 CY T 02780804: SAB BRÖCKSKES · D-VIERSEN ·  
CC 600 CY T 8 AWG/4c 02780804 AWM Style 2586 105°C 600V CSA AWM I/II A/B 105°C 600V FT1 FT2 CE

CC 600 CY T is a multi-conductor, 600 V, 105°C, UL recognized and CSA approved flexible shielded control cable. The reduced outer diameter permits easy handling and installation in confined areas. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. CC 600 CY 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 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 with PETP foil over the outer layer
<b>Screen:</b>	tinned copper braiding
<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> 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/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	mm	cable weight ≈ lbs/mft
▶ <b>8 AWG (≈ 77/26) • 10.00 mm<sup>2</sup></b>				
02780804	4	0.732	18.6	439
▶ <b>6 AWG (≈ 119/26) • 16.00 mm<sup>2</sup></b>				
02780604	4	0.886	22.5	651
▶ <b>4 AWG (≈ 196/26) • 25.00 mm<sup>2</sup></b>				
02780404	4	1.087	27.6	1019
▶ <b>2 AWG (≈ 280/26) • 35.00 mm<sup>2</sup></b>				
02780204	4	1.240	31.5	1380
▶ <b>1 AWG (≈ 400/26) • 50.00 mm<sup>2</sup></b>				
02780104	4	1.417	36.0	1870

Other dimensions and colors are possible on request.