

# FLEXIBLE CONTROL CABLES

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

## CC 600 CY Oil resistant 90°C flexible shielded control cable, AWG 20 - AWG 10



Marking for CC 600 CY 02591804: SAB BRÖCKSKES · D-VIERSEN ·  
4 x 1,0 mm<sup>2</sup> CC 600 CY 18 AWG/4c 02591804 VDE-Reg.-Nr. 7000 AWM Style 2587 90°C 600V CSA AWM I/II A/B 90° 600V FT1 FT2 CE

CC 600 CY is a multi-conductor, 600 V, 90°C, UL, CSA and VDE approved, oil resistant flexible shielded control cable. The reduced outer diameter permits easy handling and installation in confined areas. Our special 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. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. CC 600 CY 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.

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### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	special PVC acc. to DIN VDE and UL/CSA
<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>Inner jacket:</b>	special PVC acc. to DIN VDE and UL/CSA
<b>Screen:</b>	tinned copper braiding
<b>Jacket material:</b>	special oil resistant PVC acc. to DIN VDE and UL/CSA
<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 2000 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>	<b>DIN VDE</b>	<b>UL/CSA:</b> up to +90 °C
<i>static:</i>	-40/+70 °C	
<i>flexing:</i>	+5/+70 °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>	very good - PVC, TM5 acc. to DIN VDE 0281 part 1 + HD 21.1	
<b>Absence of harmful substances:</b>	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25	

### Outstanding features:

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

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 (17/32)</b>					<b>▶ 18 AWG (30/32)</b>					<b>▶ 14 AWG (46/30)</b>				
02592002	2	0.295	7.5	56	02591802	2	0.331	8.4	73	02591403	3	0.441	11.2	142
02592003	3	0.319	8.1	67	02591803	3	0.343	8.7	82	02591404	4	0.465	11.8	165
02592004	4	0.335	8.5	76	02591804	4	0.366	9.3	94	02591405	5	0.512	13.0	198
02592007	7	0.386	9.8	102	02591805	5	0.402	10.2	116	02591407	7	0.567	14.4	252
02592009	9	0.465	11.8	142	02591807	7	0.429	10.9	136	02591409	9	0.709	18.0	388
02592012	12	0.476	12.1	151	02591809	9	0.535	13.6	195	02591412	12	0.744	18.9	413
02592025	25	0.657	16.7	282	02591812	12	0.539	13.7	203	02591418	18	0.874	22.2	585
<b>▶ 19 AWG (23/32)</b>					02591818	18	0.634	16.1	286	02591425	25	1.028	26.1	765
02591902	2	0.319	8.1	65	02591825	25	0.752	19.1	395	<b>▶ 12 AWG (52/28)</b>				
02591903	3	0.335	8.5	76	<b>▶ 16 AWG (27-29/30)</b>					02591203	3	0.512	13.0	196
02591904	4	0.358	9.1	87	02591602	2	0.350	8.9	83	02591204	4	0.555	14.1	239
02591905	5	0.382	9.7	100	02591603	3	0.382	9.7	102	02591205	5	0.606	15.4	286
02591907	7	0.417	10.6	123	02591604	4	0.406	10.3	121	02591207	7	0.665	16.9	368
02591909	9	0.512	13.0	172	02591605	5	0.433	11.0	139	<b>▶ 10 AWG (78/28) • 6.00 mm<sup>2</sup></b>				
02591912	12	0.520	13.2	179	02591607	7	0.472	12.0	170	02591003	3	0.587	14.9	267
02591918	18	0.602	15.3	247	02591609	9	0.551	14.0	236	02591004	4	0.630	16.0	318
02591925	25	0.724	18.4	340	02591612	12	0.606	15.4	265	02591005	5	0.705	17.9	399
					02591618	18	0.713	18.1	381					
					02591625	25	0.850	21.6	516					

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# FLEXIBLE CONTROL CABLES



## CC 600 CY Oil resistant 90°C flexible shielded control cable, AWG 8 - AWG 2



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Marking for CC 600 CY 02591804: SAB BRÖCKSKES · D-VIERSEN ·  
CC 600 CY 8 AWG/4c 02590804 AWM Style 2587 90°C 600V CSA AWM I/II A/B 90° 600V FT1 FT2 CE

CC 600 CY is a multi-conductor, 600 V, 90°C, UL, CSA and VDE approved, oil resistant flexible shielded control cable. The reduced outer diameter permits easy handling and installation in confined areas. Our special 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. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. CC 600 CY 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 PVC acc. to DIN VDE and UL/CSA
<b>Color code:</b>	black conductors with consecutive numbers green-yellow earth wire from 3 conductors
<b>Stranding:</b>	in layers
<b>Inner jacket:</b>	special PVC acc. to DIN VDE and UL/CSA
<b>Screen:</b>	tinned copper braiding
<b>Jacket material:</b>	special oil resistant PVC acc. to DIN VDE and UL/CSA
<b>Jacket color:</b>	gray

### Outstanding features:

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

item no.	no. of conductors incl. ground	nominal outer-Ø inch	mm	cable weight ≈ lbs/mft
▶ <b>8 AWG (77/26)</b> 02590804	4	0.827	21.0	551
▶ <b>6 AWG (119/26)</b> 02590604	4	0.988	25.1	797
▶ <b>4 AWG (196/26)</b> 02590404	4	1.185	30.1	1208
▶ <b>2 AWG (280/26)</b> 02590204	4	1.354	34.4	1613

Other dimensions and colors are possible on request.

### 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 2000 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>	<b>DIN VDE</b> -40/+70 °C	<b>UL/CSA:</b> up to +90 °C
<i>flexing:</i>	+5/+70 °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>	very good - PVC, TM5 acc. to DIN VDE 0281 part 1 + HD 21.1	
<b>Absence of harmful substances:</b>	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25	