

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



Marking for CC 600 CY 02591803: SAB BRÖCKSKES · D-VIERSEN · 02590310 3 x 1,00 mm² CC 600 CY 18 AWG/3c 02591803 VDE-Reg.-Nr. 7000 AWM Style 2587 90°C 600V CSA AWM I/II A/B 90° 600V FT1 FT2

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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:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	PVC, TI2 acc. to DIN VDE 0281 part 1 + HD 21.1
Color code:	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	in layers
Inner jacket:	PVC, TM2 acc. to DIN VDE 0281 part 1 + HD 21.1
Screen:	tinned copper braiding
Jacket material:	PVC, TM5 acc. to DIN VDE 0281 part 1 + HD 21.1
Jacket color:	gray

Technical data:

Nominal voltage:	DIN VDE U ₀ /U 300/500 V	UL/CSA 600 V
Testing voltage U:	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2; conductor/screen 1000 V	
Min. bending radius		
<i>fixed installation:</i>	5 x O.D.	
<i>free movement:</i>	10 x O.D.	
Radiation resistance:	5 x 10 ⁷ cJ/kg	
Temperature range	DIN VDE	UL/CSA: up to +90 °C
<i>static:</i>	-40/+70 °C	
<i>flexing:</i>	+5/+70 °C	
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1, CSA FT1 and FT2	
Oil resistance:	very good - PVC, TM5 acc. to DIN VDE 0281 part 1 + HD 21.1	
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page M/25	

Outstanding features:

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

item no.	no. of conductors incl. ground	nominal outer- ϕ inch	nominal outer- ϕ mm	cable weight \approx lbs/mft	item no.	no. of conductors incl. ground	nominal outer- ϕ inch	nominal outer- ϕ mm	cable weight \approx lbs/mft	item no.	no. of conductors incl. ground	nominal outer- ϕ inch	nominal outer- ϕ mm	cable weight \approx lbs/mft
▶ 20 AWG (17/32) • 0.50 mm²					▶ 18 AWG (30/32) • 1.00 mm²					▶ 14 AWG (46/30) • 2.50 mm²				
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	136	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	182	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
▶ 19 AWG (23/32) • 0.75 mm²					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	▶ 12 AWG (52/28) • 4.00 mm²				
02591903	3	0.335	8.5	76	▶ 16 AWG (27-29/30) • 1.50 mm²					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	162	02591605	5	0.433	11.0	139	▶ 10 AWG (78/28) • 6.00 mm²				
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	227	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	▶ 8 AWG (77/26) • 10.00 mm²				
					02591625	25	0.850	21.6	516	02590804	4	0.827	21.0	551
										▶ 6 AWG (119/26) • 16.00 mm²				
										02590604	4	0.988	25.1	797
										▶ 4 AWG (196/26) • 25.00 mm²				
										02590404	4	1.185	30.1	1208
										▶ 2 AWG (280/26) • 35.00 mm²				
										02590204	4	1.354	34.4	1613

Other dimensions and colors are possible on request.

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Web site: www.sabcable.com