

FLEXIBLE CONTROL CABLES

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

CC 600 blue Oil resistant 90°C flexible control cable with blue conductors, AWG 20 - AWG 10



Marking for CC blue 600 02081840: S BRÖCKSKES · D-VIERSEN · VDE-Reg.-Nr. 7000
40 x 1,0 mm² CC 600 18 AWG/40c 02081840 AWM Style 21216 90°C Oil 60°C 600V CSA AWM I/II A/B 90°C F 600V FT1 FT2 CE

CC 600 blue is a multi-conductor, 600 V, 90°C, UL, CSA and VDE approved, oil resistant flexible control cable. The reduced outer diameter permits easy handling and installation in confined areas. Our specially 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. CC 600 blue 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:	special PVC acc. to DIN VDE and UL/CSA
Color code:	blue conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	in layers
Jacket material:	special oil resistant PVC acc. to DIN VDE and UL/CSA
Jacket color:	gray

- ### Outstanding features:
- **UL and CSA approved**
 - **high mechanical loading capacity**
 - **oil resistant**

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	
Min. bending radius <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.	
Radiation resistance:	8 x 10 ⁷ cJ/kg	
Temperature range <i>static:</i>	DIN VDE -40/+70 °C	UL/CSA: up to +90°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 VW1, CSA FT1 and FT2	
Oil resistance:	very good - TM5 acc. to DIN VDE 0281 part 1 + HD 21.1, Oil 60°C acc. to UL 758, Fuel Oil acc. to CSA-C 22.2 No. 210.2-M90	
Chem. resistance:	see page N/9	
Impact and Crushing test:	in accordance to UL 1277 same requirement for Exposed Run	
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25	

item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 20 AWG (17/32)				
02082002	2	0.209	5.3	27
02082003	3	0.220	5.6	32
02082004	4	0.236	6.0	36
02082005	5	0.264	6.7	48
02082007	7	0.283	7.2	58
02082008	8	0.335	8.5	77
02082009	9	0.362	9.2	84
02082010	10	0.370	9.4	85
02082012	12	0.382	9.7	96
02082014	14	0.398	10.1	108
02082016	16	0.429	10.9	126
02082018	18	0.449	11.4	139
02082025	25	0.547	13.9	190
02082030	30	0.563	14.3	218
02082034	34	0.614	15.6	251
02082040	40	0.665	16.9	296
02082041	41	0.665	16.9	287
02082061	61	0.780	19.8	424
▶ 18 AWG (30/32)				
02081802	2	0.236	6.0	37
02081803	3	0.252	6.4	46
02081804	4	0.276	7.0	53
02081805	5	0.307	7.8	70
02081807	7	0.335	8.5	87
02081808	8	0.390	9.9	106
02081809	9	0.425	10.8	122
02081810	10	0.433	11.0	125

item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 18 AWG (30/32)				
02081812	12	0.445	11.3	142
02081814	14	0.476	12.1	165
02081815	15	0.500	12.7	180
02081818	18	0.535	13.6	209
02081825	25	0.646	16.4	286
02081830	30	0.669	17.0	331
02081834	34	0.728	18.5	380
02081840	40	0.783	19.9	447
02081841	41	0.783	19.9	434
02081850	50	0.882	22.4	533
02081861	61	0.933	23.7	654
▶ 16 AWG (27-29/30)				
02081602	2	0.264	6.7	48
02081603	3	0.280	7.1	58
02081604	4	0.311	7.9	71
02081605	5	0.339	8.6	90
02081607	7	0.378	9.6	116
02081608	8	0.441	11.2	149
02081609	9	0.480	12.2	162
02081610	10	0.488	12.4	167
02081612	12	0.504	12.8	191
02081614	14	0.535	13.6	220
02081615	15	0.563	14.3	229
02081616	16	0.563	14.3	249
02081618	18	0.602	15.3	282
02081625	25	0.728	18.5	386
02081630	30	0.760	19.3	453

item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 16 AWG (27-29/30)				
02081634	34	0.827	21.0	519
02081640	40	0.902	22.9	620
02081641	41	0.902	22.9	597
02081650	50	0.980	24.9	714
02081661	61	1.051	26.7	891
▶ 14 AWG (46/30) • 2.50 mm²				
02081402	2	0.319	8.1	73
02081403	3	0.339	8.6	89
02081404	4	0.374	9.5	108
02081405	5	0.417	10.6	141
02081407	7	0.457	11.6	179
02081408	8	0.543	13.8	233
02081409	9	0.587	14.9	267
02081410	10	0.598	15.2	260
02081412	12	0.618	15.7	299
02081418	18	0.736	18.7	440
02081425	25	0.909	23.1	612
▶ 12 AWG (52/28)				
02081203	3	0.402	10.2	132
02081204	4	0.445	11.3	161
02081205	5	0.496	12.6	209
02081207	7	0.547	13.9	271
▶ 10 AWG (78/28)				
02081003	3	0.476	12.1	193
02081004	4	0.520	13.2	239
02081005	5	0.587	14.9	303

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Web site: www.sabcable.com

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FLEXIBLE CONTROL CABLES



CC 600 blue Oil resistant 90°C flexible control cable with blue conductors, AWG 8 - AWG 2



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Marking for CC 600 blue 02080805:

SAB BRÖCKSKES · D-VIERSEN · CC 600 8 AWG/5c 02080805 AWM Style 21216 90°C Oil 60°C 600V CSA AWM I/II A/B 90°C F 600V FT1 FT2 CE

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Chem. resistance:	see page N/9	
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▶ 8 AWG (77/26)				
02080804	4	0.701	17.8	423
02080805	5	0.780	19.8	527
▶ 6 AWG (119/26)				
02080604	4	0.850	21.6	635
02080605	5	0.949	24.1	751
▶ 4 AWG (196/26)				
02080404	4	1.051	26.7	1006
▶ 2 AWG (280/26)				
02080204	4	1.197	30.4	1368

Other dimensions and colors are possible on request.

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Web site: www.sabcable.com