

FLEXIBLE CONTROL CABLES

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



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



Marking for CC 600 T 02581840: SAB BRÖCKSKES · D-VIERSEN ·
40 x 1,0 mm² CC 600 T 18 AWG/40c 02581840 AWM Style 2586 105°C 600V CSA AWM Style I/II A/B 105°C 600V FT1 FT2 CE

CC 600 T is a multi-conductor, 600 V, 105°C, UL, approved, flexible control cable. The reduced outer diameter permits easy handling and installation in confined areas. CC 600 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.

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Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	special heat resistant PVC
Color code:	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	in layers
Jacket material:	special heat resistant PVC
Jacket color:	gray

Outstanding features:

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

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/+90 °C	UL/CSA: up to +105°C
<i>flexing:</i>	+5/+90 °C	
<i>short-time use:</i>	+105 °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:	acc. to internal standard, see page N/25	
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	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 20 AWG (17/32) • 0.50 mm²				
02582002	2	0.205	5.2	26
02582003	3	0.220	5.6	31
02582004	4	0.236	6.0	37
02582005	5	0.264	6.7	47
02582007	7	0.287	7.3	58
02582008	8	0.339	8.6	69
02582009	9	0.362	9.2	78
02582010	10	0.370	9.4	83
02582012	12	0.382	9.7	94
02582014	14	0.402	10.2	107
02582016	16	0.429	10.9	123
02582018	18	0.453	11.5	138
02582025	25	0.547	13.9	185
02582030	30	0.567	14.4	214
02582034	34	0.618	15.7	247
02582040	40	0.665	16.9	289
02582061	61	0.780	19.8	413
▶ 19 AWG (23/32) • 0.75 mm²				
02581903	3	0.244	6.2	40
02581904	4	0.260	6.6	45
02581905	5	0.291	7.4	59
02581907	7	0.323	8.2	75
02581908	8	0.378	9.6	97
02581909	9	0.402	10.2	96
02581910	10	0.417	10.6	108
02581912	12	0.429	10.9	123
02581914	14	0.453	11.5	140
02581916	16	0.480	12.2	160
02581918	18	0.512	13.0	180
02581925	25	0.618	15.7	242
02581930	30	0.638	16.2	279
02581934	34	0.701	17.8	324
02581940	40	0.752	19.1	379
02581961	61	0.898	22.8	555

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 18 AWG (30/32) • 1.00 mm²				
02581802	2	0.236	6.0	37
02581803	3	0.252	6.4	45
02581804	4	0.272	6.9	52
02581805	5	0.307	7.8	70
02581807	7	0.339	8.6	88
02581808	8	0.394	10.0	103
02581809	9	0.417	10.6	111
02581810	10	0.433	11.0	125
02581812	12	0.449	11.4	144
02581814	14	0.476	12.1	165
02581818	18	0.535	13.6	212
02581825	25	0.657	16.7	286
02581830	30	0.673	17.1	333
02581834	34	0.732	18.6	383
02581840	40	0.787	20.0	450
02581861	61	0.933	23.7	654
▶ 16 AWG (27-29/30) • 1.50 mm²				
02581602	2	0.260	6.6	46
02581603	3	0.280	7.1	58
02581604	4	0.303	7.7	69
02581605	5	0.343	8.7	91
02581607	7	0.378	9.6	116
02581608	8	0.433	11.0	136
02581609	9	0.472	12.0	148
02581610	10	0.488	12.4	166
02581612	12	0.508	12.9	193
02581614	14	0.535	13.6	220
02581616	16	0.567	14.4	251
02581618	18	0.602	15.3	282
02581625	25	0.732	18.6	389
02581630	30	0.760	19.3	453
02581634	34	0.827	21.0	519
02581640	40	0.902	22.9	620
02581661	61	1.051	26.7	891

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 14 AWG (46/30) • 2.50 mm²				
02581402	2	0.319	8.1	72
02581403	3	0.339	8.7	91
02581404	4	0.366	9.3	106
02581405	5	0.417	10.6	141
02581407	7	0.457	11.7	180
02581408	8	0.543	13.8	214
02581409	9	0.579	14.7	231
02581410	10	0.598	15.2	260
02581412	12	0.618	15.8	301
02581418	18	0.736	18.8	444
02581425	25	0.909	23.1	612
▶ 12 AWG (52/28) • 4.00 mm²				
02581203	3	0.402	10.8	143
02581204	4	0.437	11.1	157
02581205	5	0.496	13.2	222
02581207	7	0.547	15.5	294
▶ 10 AWG (78/28) • 6.00 mm²				
02581003	3	0.476	12.1	193
02581004	4	0.520	13.3	241
02581005	5	0.587	14.9	303

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FLEXIBLE CONTROL CABLES



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



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Marking for CC 600 T 02580805: SAB BRÖCKSKES · D-VIERSEN ·
CC 600 T 8 AWG/5c AWM Style 2586 105°C 600V CSA AWM Style I/II A/B 105°C 600V FT1 FT2 CE

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Insulation:	special heat resistant PVC
Color code:	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	in layers
Jacket material:	special heat resistant PVC
Jacket color:	gray

Outstanding features:

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

Technical data:

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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/+90 °C	UL/CSA: up to +105°C
<i>flexing:</i>	+5/+90 °C	
<i>short-time use:</i>	+105 °C	
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Oil resistance:	acc. to internal standard, see page N/25	
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	mm	cable weight ≈ lbs/mft
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▶ 8 AWG (77/26) • 10.00 mm²				
02580804	4	0.701	17.8	423
02580805	5	0.780	19.8	528
▶ 6 AWG (119/26) • 16.00 mm²				
02580604	4	0.850	22.8	671
▶ 4 AWG (196/26) • 25.00 mm²				
02580404	4	1.051	27.5	1018
▶ 2 AWG (280/26) • 35.00 mm²				
02580204	4	1.197	30.9	1368

Other dimensions and colors are possible on request.