

# Flexible Control Cables

## CC 600 T

Oil Resistant 105°C flexible control cable



Marking for CC 600 T 2581604:

SAB BRÖCKSKES · D-VIERSEN · 2580415 4x1.5mm<sup>2</sup> CC 600 T 16 AWG/4c 2581604 AWM Style 2586 105°C 600V CSA AWM I/II A/B 105°C 600V FT1 FT2

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### Construction:

<b>Conductor:</b> AWG 20 - 10:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
AWG 8 - 1:	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 + VDE 0293-334, green/yellow ground from 3 conductors
<b>Stranding:</b>	in layers
<b>Jacket material:</b>	special heat resistant PVC
<b>Jacket color:</b>	gray (RAL 7000)

### Technical data:

<b>Nominal voltage:</b>	Uo/U 300/500 V	
<b>Voltage UL/CSA:</b>	600 V	
<b>Testing voltage:</b>	conductor/conductor: 2000 V	
<b>Min. bending radius:</b>		
fixed installation:	4 x O.D.	
free movement:	6 x O.D.	
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range:</b>	DIN VDE	UL/CSA: up to +105°C
static:	-40/+90°C	
flexible:	+5/+90°C	
short time use:	+105°C	
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL VW-1, CSA FT1, FT2	
<b>Oil resistance:</b>	see page O/29	
<b>Approvals:</b>	UR AWM, CSA AWM, CE, RoHS	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30	

### Outstanding features:



- UL recognized, CSA approved
- temperature range up to +105°C

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
<b>▶ 20 AWG (≈ 16/32) ▪ 0.50 mm<sup>2</sup></b>				
2582002	2	0.209	5.3	26
2582003	3	0.220	5.6	31
2582004	4	0.236	6.0	36
2582005	5	0.264	6.7	45
2582007	7	0.283	7.2	56
2582008	8	0.335	8.5	69
2582010	10	0.370	9.4	81
2582012	12	0.382	9.7	93
2582014	14	0.398	10.1	103
2582016	16	0.429	10.9	120
2582018	18	0.449	11.4	133
2582025	25	0.547	13.9	183
<b>▶ 19 AWG (≈ 23/32) ▪ 0.75 mm<sup>2</sup></b>				
2581903	3	0.244	6.2	38
2581904	4	0.264	6.7	46
2581905	5	0.295	7.5	57
2581907	7	0.323	8.2	72
2581908	8	0.378	9.6	88
2581910	10	0.417	10.6	103
2581912	12	0.429	10.9	118
2581914	14	0.449	11.4	132
2581916	16	0.480	12.2	153
2581918	18	0.508	12.9	169
2581925	25	0.614	15.6	232
<b>▶ 18 AWG (≈ 30/32) ▪ 1.00 mm<sup>2</sup></b>				
2581802	2	0.236	6.0	36
2581803	3	0.252	6.4	44
2581804	4	0.276	7.0	53
2581805	5	0.307	7.8	66
02581807	7	0.335	8.5	83

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
<b>▶ 18 AWG (≈ 30/32) ▪ 1.00 mm<sup>2</sup></b>				
2581808	8	0.390	9.9	101
2581810	10	0.433	11.0	120
2581812	12	0.445	11.3	137
2581814	14	0.476	12.1	159
2581818	18	0.535	13.6	202
2581825	25	0.646	16.4	276
<b>▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm<sup>2</sup></b>				
2581602	2	0.264	6.7	46
2581603	3	0.280	7.1	56
2581604	4	0.311	7.9	71
2581605	5	0.339	8.6	85
2581607	7	0.378	9.6	112
2581608	8	0.441	11.2	135
2581610	10	0.488	12.4	160
2581612	12	0.504	12.8	183
2581614	14	0.535	13.6	212
2581616	16	0.563	14.3	238
2581618	18	0.602	15.3	269
2581625	25	0.728	18.5	370
<b>▶ 14 AWG (≈ 46/30) ▪ 2.50 mm<sup>2</sup></b>				
2581402	2	0.319	8.1	71
2581403	3	0.339	8.6	86
2581404	4	0.374	9.5	108
2581405	5	0.417	10.6	134
2581407	7	0.457	11.6	171
2581408	8	0.543	13.8	210
2581410	10	0.598	15.2	249
2581412	12	0.618	15.7	288
2581418	18	0.736	18.7	421
2581425	25	0.909	23.1	591

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
<b>▶ 12 AWG (≈ 52/28) ▪ 4.00 mm<sup>2</sup></b>				
2581203	3	0.402	10.2	128
2581204	4	0.445	11.3	161
2581205	5	0.496	12.6	198
2581207	7	0.547	13.9	259
<b>▶ 10 AWG (≈ 78/28) ▪ 6.00 mm<sup>2</sup></b>				
2581003	3	0.476	12.1	185
2581004	4	0.520	13.2	230
2581005	5	0.587	14.9	288
<b>▶ 8 AWG (≈ 69/26)</b>				
2580804	4	0.669	17.0	374
2580805	5	0.744	18.9	454
<b>▶ 6 AWG (≈ 110/26)</b>				
2580604	4	0.823	20.9	507
<b>▶ 4 AWG (≈ 175/26)</b>				
2580404	4	1.008	25.6	897
<b>▶ 2 AWG (≈ 272/26)</b>				
2580204	4	1.197	30.4	1379
<b>▶ 1 AWG (≈ 342/26)</b>				
2580104	4	1.307	33.2	1628

2 conductor cable does not have ground  
Other dimensions and colors are available on request