

# Flexible Control Cables

## CC 600 CY T

Oil Resistant 105°C flexible shielded control cable



A Marking for CC 600 CY T 02781604:  
 SAB BRÜCKSKES · D-VIERSEN · 4x1.5mm<sup>2</sup> CC 600 CY T 16 AWG/4c 02781604  
 8 AWM Style 2586 105°C 600V CSA AWM III A/B 105°C 600V FT1 FT2 CE

### 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 with PETP foil over the outer layer
<b>Shielding:</b>	tinned copper braiding
<b>Jacket material:</b>	special heat resistant PVC
<b>Jacket color:</b>	gray (RAL 7000)

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 300/500 V	
<b>Voltage UL/CSA:</b>	600 V	
<b>Testing voltage:</b>	conductor/conductor:	2000 V
	conductor/shielding:	2000 V
<b>Min. bending radius:</b>		
fixed installation:	5 x O.D.	
free movement:	10 x O.D.	
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range:</b>	<b>DIN VDE</b>	<b>UL/CSA:</b> 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>	acc. to internal standard, see page O/29	
<b>Approvals:</b>	UR AWM, CSA AWM, CE, EAC, 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
- good EMC characteristics

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 20 AWG (≈ 16/32) - 0.50 mm<sup>2</sup></b>				
02782002	2	0.228	5.8	31
02782003	3	0.244	6.2	38
02782004	4	0.260	6.6	44
02782007	7	0.311	7.9	67
02782012	12	0.417	10.6	118
02782015	15	0.457	11.6	141
02782025	25	0.575	14.6	215
<b>▶ 18 AWG (≈ 30/32) - 1.00 mm<sup>2</sup></b>				
02781802	2	0.260	6.6	40
02781803	3	0.272	6.9	50
02781804	4	0.303	7.7	62
02781805	5	0.327	8.3	75
02781807	7	0.362	9.2	96
02781812	12	0.480	12.2	165
02781815	15	0.535	13.6	204
02781818	18	0.563	14.3	230
02781825	25	0.681	17.3	325
02781850	50	0.917	23.3	606

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 16 AWG (≈ 27-29/30) - 1.50 mm<sup>2</sup></b>				
02781602	2	0.283	7.2	50
02781603	3	0.307	7.8	64
02781604	4	0.331	8.4	78
02781605	5	0.366	9.3	97
02781607	7	0.406	10.3	130
02781612	12	0.539	13.7	214
02781615	15	0.598	15.2	264
02781618	18	0.646	16.4	319
02781625	25	0.772	19.6	431
02781650	50	1.016	25.8	792
<b>▶ 14 AWG (≈ 46/30) - 2.50 mm<sup>2</sup></b>				
02781403	3	0.366	9.3	93
02781404	4	0.402	10.2	124
02781405	5	0.449	11.4	153
02781407	7	0.492	12.5	194
02781412	12	0.661	16.8	335
02781418	18	0.780	19.8	476
02781425	25	0.941	23.9	658

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 12 AWG (≈ 52/28) - 4.00 mm<sup>2</sup></b>				
02781203	3	0.429	10.9	138
02781204	4	0.476	12.1	177
02781205	5	0.520	13.2	215
02781207	7	0.591	15.0	291
<b>▶ 10 AWG (≈ 78/28) - 6.00 mm<sup>2</sup></b>				
02781003	3	0.500	12.7	196
02781004	4	0.547	13.9	245
02781005	5	0.606	15.4	302
<b>▶ 8 AWG (≈ 69/26)</b>				
02780804	4	0.705	17.9	404
<b>▶ 6 AWG (≈ 110/26)</b>				
02780604	4	0.886	22.5	648
<b>▶ 4 AWG (≈ 175/26)</b>				
02780404	4	1.087	27.6	911
<b>▶ 2 AWG (≈ 272/26)</b>				
02780204	4	1.240	31.5	1271
<b>▶ 1 AWG (≈ 342/26)</b>				
02780104	4	1.335	33.9	1573

Other dimensions and colors are available on request



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