

# Flexible Control Cables

## CC 600 CY

Oil Resistant 90°C flexible shielded control cable



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Marking for CC 600 CY 2591804:

SAB BRÖCKSKES · D-VIERSEN · <VDE-REG 7000> 4x1.0mm<sup>2</sup> CC 600 CY 18 AWG/4c 2591804 AWM Style 21216 90°C 600V Oil 60°C CSA AWM III A/B 90°C F 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 PVC acc. to VDE and UL/CSA
<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>Inner Jacket:</b>	special PVC acc. to VDE and UL/CSA
<b>Shielding:</b>	tinned copper braiding
<b>Jacket material:</b>	special oil resistant PVC acc. to VDE and UL/CSA
<b>Jacket color:</b>	gray (RAL 7000)

### Technical data:

<b>Nominal voltage:</b>	U <sub>o</sub> /U 300/500 V	
<b>Voltage UL/CSA:</b>	600 V	
<b>Testing voltage:</b>	conductor/conductor:	3000 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>	5 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range:</b>	<b>DIN VDE</b>	<b>UL/CSA:</b> up to +90°C
static:	-40/+70°C	
flexible:	+5/+70°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>	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	
<b>Chemical resistance:</b>	see page O/11	
<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
- high mechanical loading capacity
- oil resistant
- AWG 20 - AWG 10:  
built acc. to VDE-Reg. no. 7000
- 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>				
2592002	2	0.291	7.4	55
2592003	3	0.311	7.9	64
2592004	4	0.331	8.4	73
2592005	5	0.358	9.1	85
2592007	7	0.378	9.6	98
2592010	10	0.469	11.9	148
2592012	12	0.492	12.5	163
2592025	25	0.657	16.7	288
<b>▶ 18 AWG (≈ 30/32) ▪ 1.0 mm<sup>2</sup></b>				
2591802	2	0.327	8.3	71
2591803	3	0.339	8.6	79
2591804	4	0.370	9.4	95
2591805	5	0.402	10.2	117
2591807	7	0.437	11.1	140
2591809	9	0.535	13.6	195
2591812	12	0.555	14.1	218
2591818	18	0.642	16.3	310
2591825	25	0.772	19.6	411

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>				
2591602	2	0.358	9.1	87
2591603	3	0.374	9.5	98
2591604	4	0.406	10.3	122
2591605	5	0.433	11.0	144
2591607	7	0.480	12.2	176
2591612	12	0.614	15.6	274
2591618	18	0.724	18.4	394
2591625	25	0.878	22.3	548
<b>▶ 14 AWG (≈ 46/30) ▪ 2.50 mm<sup>2</sup></b>				
2591403	3	0.441	11.2	144
2591404	4	0.476	12.1	172
2591405	5	0.520	13.2	206
2591407	7	0.567	14.4	256
2591412	12	0.744	18.9	418
2591418	18	0.874	22.2	585
2591425	25	1.028	26.1	773

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>				
2591203	3	0.512	13.0	201
2591204	4	0.555	14.1	243
2591205	5	0.602	15.3	285
2591207	7	0.665	16.9	372
<b>▶ 10 AWG (≈ 78/28) ▪ 6.00 mm<sup>2</sup></b>				
2591003	3	0.587	14.9	273
2591004	4	0.630	16.0	323
2591005	5	0.705	17.9	406
2591007	7	0.772	19.6	511
<b>▶ 8 AWG (≈ 69/26)</b>				
2590804	4	0.807	20.5	531
<b>▶ 6 AWG (≈ 110/26)</b>				
2590604	4	0.957	24.3	746
<b>▶ 4 AWG (≈ 175/26)</b>				
2590404	4	1.157	29.4	1144
<b>▶ 2 AWG (≈ 272/26)</b>				
2590204	4	1.346	34.2	1564
<b>▶ 1 AWG (≈ 342/26)</b>				
2590104	4	1.441	36.6	1882

Other dimensions and colors are available on request



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

