

# Flexible Control Cables

## CC 600 CP

Oil resistant, tear resistant, shielded flexible polyurethane control cable with black conductors



80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE



A  
18  
Marking for CC 600 CP 02811604:  
SAB BRÖCKSKES · D-VIERSEN · 02810415 4x1.5mm<sup>2</sup> CC 600 CP 16 AWG/4c 02811604  
AWM Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	PVC, T12 acc. to EN 50363-3 + VDE 0207-363-3
<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>Wrapping:</b>	PETP foil
<b>Shielding:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Jacket materials:</b>	PU acc. to UL 758
<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 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 +80°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 - oil rating 60° C acc to UL 1581	
<b>Chemical resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.	
<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
- oil resistant
- abrasion resistant
- notch resistant
- good chemical resistance

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>				
02812002	2	0.264	6.7	42
02812003	3	0.276	7.0	47
02812004	4	0.291	7.4	54
02812005	5	0.315	8.0	64
02812007	7	0.335	8.5	75
02812012	12	0.417	10.6	112
02812018	18	0.488	12.4	165
02812025	25	0.567	14.4	211
<b>▶ 19 AWG (≈ 23/32) ▪ 0.75 mm<sup>2</sup></b>				
02811902	2	0.283	7.2	48
02811903	3	0.295	7.5	55
02811904	4	0.315	8.0	64
02811905	5	0.339	8.6	75
02811907	7	0.390	9.9	99
02811912	12	0.465	11.8	147
02811918	18	0.531	13.5	200
02811925	25	0.646	16.4	278

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 18 AWG (≈ 30/32) ▪ 1.00 mm<sup>2</sup></b>				
02811802	2	0.291	7.4	53
02811803	3	0.303	7.7	61
02811804	4	0.327	8.3	72
02811805	5	0.350	8.9	85
02811807	7	0.402	10.2	113
02811809	9	0.457	11.6	135
02811812	12	0.48	12.2	167
02811818	18	0.555	14.1	233
02811825	25	0.669	17.0	324
<b>▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm<sup>2</sup></b>				
02811603	3	0.331	8.4	75
02811604	4	0.354	9.0	89
02811605	5	0.382	9.7	107
02811607	7	0.449	11.4	151
02811612	12	0.531	13.5	212
02811618	18	0.634	16.1	319
02811625	25	0.744	18.9	421

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 14 AWG (≈ 46/30) ▪ 2.50 mm<sup>2</sup></b>				
02811403	3	0.382	9.7	106
02811404	4	0.409	10.4	127
02811405	5	0.453	11.5	161
02811407	7	0.528	13.4	219
02811409	9	0.614	15.6	265
02811412	12	0.650	16.5	333
02811418	18	0.752	19.1	473
02811425	25	0.949	24.1	667
<b>▶ 12 AWG (≈ 52/28) ▪ 4.00 mm<sup>2</sup></b>				
02811203	3	0.445	11.3	156
02811204	4	0.480	12.2	189
02811205	5	0.524	13.3	228
<b>▶ 10 AWG (≈ 78/28) ▪ 6.00 mm<sup>2</sup></b>				
02811003	3	0.516	13.1	217
02811004	4	0.559	14.2	265
02811005	5	0.618	15.7	335
<b>▶ 8 AWG (≈ 69/26)</b>				
02810804	4	0.748	19.0	465

Other dimensions and colors are available on request



Drain wire available upon request.  
Also available with blue or red conductors and black or orange jacket

