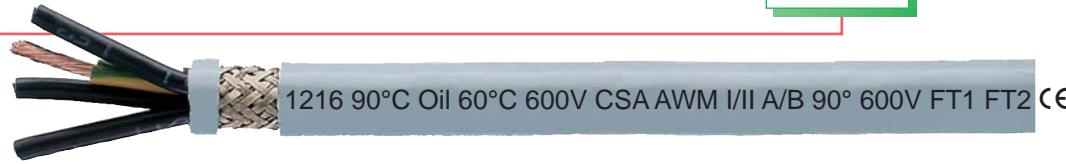


# FLEXIBLE CONTROL CABLES

## CC 600 CY Lean Oil resistant 90°C flexible shielded control cable, AWG 20 - AWG 10



Marking for CC CC 600 CY Lean 32381804: SAB BRÖCKSKES · D-VIERSEN ·  
4 x 1,0 mm<sup>2</sup> CC 600 CY Lean 18 AWG/4c 32381804 VDE-Reg.-Nr. 7000 AWM Style 12126 90°C Oil 60°C 600V CSA AWM I/II A/B 90° 600V FT1 FT2 CE

CC 600 CY Lean is a multi-conductor, 600 V, 90°C, UL recognized, CSA and VDE approved, oil resistant flexible shielded control cable. The reduced outer diameter permits easy handling and installation in confined areas. Our special designed PVC jacket passes the stringent requirements of the VDE test 0281 part 1 and HD 21.1 oil test providing the best oil resistance available for a PVC jacket. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. CC 600 CY Lean 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:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	special PVC acc. to DIN VDE and UL/CSA
<b>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
<b>Stranding:</b>	in layers
<b>Screen:</b>	tinned copper braiding
<b>Jacket material:</b>	special oil resistant PVC acc. to DIN VDE and UL/CSA
<b>Jacket color:</b>	gray

### Outstanding features:

- ▶ **UL recognized and CSA approved**
- ▶ **good EMC characteristics**
- ▶ **reduced outer diameter**
- ▶ **small bending radius**
- ▶ **high mechanical loading capacity**
- ▶ **oil resistant**

### Technical data:

<b>Nominal voltage:</b>	<b>DIN VDE</b> U <sub>0</sub> /U 300/500 V	<b>UL/CSA</b> 600 V
<b>Testing voltage U:</b>	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2; conductor/screen 1000 V	
<b>Min. bending radius</b>		
<i>fixed installation:</i>	5 x O.D.	
<i>free movement:</i>	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
<i>static:</i>	-40/+70 °C	
<i>flexing:</i>	+5/+70 °C	
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1, CSA FT1 and FT2	
<b>Oil resistance:</b>	very good - PVC, TM5 acc. to DIN VDE 0281 part 1 + HD 21.1	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/28	

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>				
32382002	2	0.228	5.8	30
32382003	3	0.244	6.2	36
32382004	4	0.260	6.6	44
32382005	5	0.283	7.2	52
32382007	7	0.311	7.9	65
32382012	12	0.402	10.2	103
32382025	25	0.591	15.0	223
<b>▶ 19 AWG (≈ 23/32) • 0.75 mm<sup>2</sup></b>				
32381902	2	0.252	6.4	35
32381903	3	0.264	6.7	43
32381904	4	0.283	7.2	52
32381905	5	0.315	8.0	64
32381907	7	0.343	8.7	82
32381912	12	0.457	11.6	138
32381918	18	0.534	13.8	196
32381925	25	0.657	16.7	277

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>				
32381802	2	0.260	6.6	39
32381803	3	0.272	6.9	49
32381804	4	0.303	7.7	61
32381805	5	0.327	8.3	73
32381807	7	0.362	9.2	97
32381812	12	0.480	12.2	161
32381818	18	0.571	14.5	243
32381825	25	0.681	17.3	321
<b>▶ 16 AWG (≈ 27-29/30) • 1.50 mm<sup>2</sup></b>				
32381602	2	0.283	7.2	50
32381603	3	0.307	7.8	65
32381604	4	0.331	8.4	77
32381605	5	0.366	9.3	94
32381607	7	0.398	10.1	119
32381612	12	0.539	13.7	209
32381618	18	0.646	16.4	322
32381622	22	0.709	18.0	387
32381625	25	0.772	19.6	426

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>				
32381403	3	0.366	9.3	91
32381404	4	0.394	10.0	113
32381405	5	0.445	11.3	147
32381407	7	0.492	12.5	191
32381412	12	0.661	16.8	327
32381418	18	0.780	19.8	471
32381425	25	0.945	24.0	662
<b>▶ 12 AWG (≈ 52/28) • 4.00 mm<sup>2</sup></b>				
32381203	3	0.433	11.0	138
32381204	4	0.476	12.1	175
32381205	5	0.528	13.4	214
32381207	7	0.587	14.9	288
<b>▶ 10 AWG (≈ 78/28) • 6.00 mm<sup>2</sup></b>				
32381003	3	0.500	12.7	190
32381004	4	0.547	13.9	240
32381005	5	0.618	15.7	311

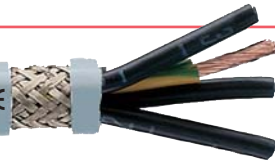
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# FLEXIBLE CONTROL CABLES



## CC 600 CY Lean Oil resistant 90°C flexible shielded control cable, AWG 8 - AWG 2

1216 90°C Oil 60°C 600V CSA AWM I/II A/B 90° 600V FT1 FT2 CE



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Marking for CC 600 CY Lean 32380804: SAB BRÖCKSKES · D-VIERSEN ·

CC 600 CY Lean 8 AWG/4c 32380804 AWM Style 21216 90°C Oil 60°C 600V CSA AWM I/II A/B 90° 600V FT1 FT2 CE

CC 600 CY Lean is a multi-conductor, 600 V, 90°C, UL recognized and CSA approved, oil resistant flexible shielded control cable. The reduced outer diameter permits easy handling and installation in confined areas. Our special designed PVC jacket passes the stringent requirements of the VDE test 0281 part 1 and HD 21.1 oil test providing the best oil resistance available for a PVC jacket. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. CC 600 CY Lean 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.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to UL/CSA
<b>Insulation:</b>	special PVC acc. to DIN VDE and UL/CSA
<b>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
<b>Stranding:</b>	in layers
<b>Screen:</b>	tinned copper braiding
<b>Jacket material:</b>	special oil resistant PVC acc. to DIN VDE and UL/CSA
<b>Jacket color:</b>	gray

### Outstanding features:

- ▶ **UL recognized and CSA approved**
- ▶ **good EMC characteristics**
- ▶ **reduced outer diameter**
- ▶ **small bending radius**
- ▶ **high mechanical loading capacity**
- ▶ **oil resistant**

### Technical data:

<b>Nominal voltage:</b>	<b>DIN VDE</b> Uo/U 300/500 V	<b>UL/CSA</b> 600 V
<b>Testing voltage U:</b>	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2; conductor/screen 1000 V	
<b>Min. bending radius</b>		
<i>fixed installation:</i>	5 x O.D.	
<i>free movement:</i>	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
<i>static:</i>	-40/+70 °C	
<i>flexing:</i>	+5/+70 °C	
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1, CSA FT1 and FT2	
<b>Oil resistance:</b>	very good - PVC, TM5 acc. to DIN VDE 0281 part 1 + HD 21.1	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/28	

item no.	no. of conductors incl. ground	nominal outer- $\phi$ inch	mm	cable weight $\approx$ lbs/mft
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▶ <b>8 AWG (<math>\approx</math> 77/26) • 10.00 mm<sup>2</sup></b>				
32380804	4	0.732	18.6	435
▶ <b>6 AWG (<math>\approx</math> 119/26) • 16.00 mm<sup>2</sup></b>				
32380604	4	0.898	22.8	636
▶ <b>4 AWG (<math>\approx</math> 196/26) • 25.00 mm<sup>2</sup></b>				
32380404	4	1.087	27.6	982

Other dimensions and colors are possible on request.

E-mail: [info@sabcable.com](mailto:info@sabcable.com)



Web site: [www.sabcable.com](http://www.sabcable.com)