

# FLEXIBLE CONTROL CABLES



## CC 600 M CY Oil resistant flexible shielded control cable with international approvals



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Marking for CC 600 M CY 02562018: SAB BRÖCKSKES · D-VIERSEN · <VDE> <HAR> H05VV4V5-K 02561805 18G0,5mm<sup>2</sup> CC 600 MCY 20 AWG/18c 02562018 AWM Style 21216 90°C Oil 60°C 600V CSA AWM I/II A/B 90°C F 600V FT1 FT2 CCC 227IEC74 (RVVYP) 300/500V SAB A035325 CE

CC 600 M CY is a multi-conductor, 600 V, 90°C oil resistant shielded cable with all approvals, to be used on machinery and equipment for use in North America and for worldwide export. 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. CC 600 M CY 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. The overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. For use in North America and Europe.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
<b>Insulation:</b>	PVC, TI2 acc. to DIN VDE 0281 part 1 + HD 21.1
<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>Inner jacket:</b>	PVC, TM2 acc. to DIN VDE 0281 part 1, + HD 21.1
<b>Screen:</b>	tinned copper braiding
<b>Jacket material:</b>	PVC, TM5 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Jacket color:</b>	gray

### 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>	8 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 VW1, CSA FT1 and FT2	
<b>Oil resistance:</b>	very good - TM5 acc. to DIN VDE 0281 part 1 + HD 21.1	
<b>Chem. resistance:</b>	see page N/9	
<b>Absence of harmful substances:</b>	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25	

### Outstanding features:

- good EMC characteristics
- flexible
- oil resistant
- VDE, HAR, UL, CSA and CCC standardized

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 20 AWG (17/32) • 0.50 mm<sup>2</sup></b>					<b>▶ 18 AWG (30/32) • 1.00 mm<sup>2</sup></b>					<b>▶ 14 AWG (46/30) • 2.50 mm<sup>2</sup></b>				
02562003	3	0.358	9.1	81	02561803	3	0.398	10.1	108	02561403	3	0.508	12.9	179
02562004	4	0.390	9.9	100	02561804	4	0.413	10.5	116	02561404	4	0.543	13.8	206
02562005	5	0.417	10.6	113	02561805	5	0.461	11.7	142	02561405	5	0.610	15.5	264
02562007	7	0.480	12.2	144	02561807	7	0.535	13.6	190	02561407	7	0.713	18.1	360
02562009	9	0.535	13.6	169	02561809	9	0.602	15.3	228	02561409	9	0.811	20.6	405
02562012	12	0.567	14.4	196	02561812	12	0.650	16.5	284	02561412	12	0.878	22.3	519
02562018	18	0.665	16.9	286	02561818	18	0.752	19.1	379	02561418	18	1.016	25.8	716
<b>▶ 19 AWG (23/32) • 0.75 mm<sup>2</sup></b>					<b>▶ 16 AWG (27-29/30) • 1.50 mm<sup>2</sup></b>					Other dimensions and colors are possible on request.				
02561903	3	0.390	9.9	101	02561603	3	0.437	11.1	130					
02561904	4	0.417	10.6	114	02561604	4	0.480	12.2	154					
02561905	5	0.449	11.4	131	02561605	5	0.524	13.3	186					
02561907	7	0.520	13.2	174	02561607	7	0.626	15.9	263					
02561909	9	0.591	15.0	208	02561609	9	0.705	17.9	298					
02561912	12	0.630	16.0	249	02561612	12	0.744	18.9	360					
02561918	18	0.724	18.4	339	02561618	18	0.886	22.5	526					