

FLEXIBLE CONTROL CABLES

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

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



Marking for CC 600 CY 02591804: SAB BRÖCKSKES · D-VIERSEN · 4 x 1,0 mm² CC 600 CY 18 AWG/4c 02591804 AWM Style 21216 90°C Oil 60°C 600V CSA AWM I/II A/B 90°C F 600V FT1 FT2 CE

CC 600 CY 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 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:

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

Outstanding features:

- ▶ UL recognized and CSA approved
- ▶ high mechanical loading capacity
- ▶ oil resistant

Technical data:

Nominal voltage:	DIN VDE U ₀ /U 300/500 V	UL/CSA 600 V
Testing voltage U:	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2; conductor/screen 1000 V	
Min. bending radius		
<i>fixed installation:</i>	5 x O.D.	
<i>free movement:</i>	10 x O.D.	
Radiation resistance:	5 x 10 ⁷ cJ/kg	
Temperature range	DIN VDE	UL/CSA: up to +90 °C
<i>static:</i>	-40/+70 °C	
<i>flexing:</i>	+5/+70 °C	
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1, CSA FT1 and FT2	
Oil resistance:	very good - PVC, 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. 210-05	
Absence of harmful substances:	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
▶ 20 AWG (≈ 16/32) • 0.50 mm²				
02592002	2	0.295	7.5	56
02592003	3	0.319	8.1	67
02592004	4	0.335	8.5	76
02592007	7	0.386	9.8	102
02592009	9	0.465	11.8	142
02592012	12	0.476	12.1	151
02592025	25	0.657	16.7	282
▶ 19 AWG (≈ 23/32) • 0.75 mm²				
02591902	2	0.319	8.1	65
02591903	3	0.335	8.5	76
02591904	4	0.358	9.1	87
02591905	5	0.382	9.7	100
02591907	7	0.417	10.6	123
02591909	9	0.512	13.0	172
02591912	12	0.520	13.2	179
02591918	18	0.602	15.3	247
02591925	25	0.724	18.4	340

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 18 AWG (≈ 30/32) • 1.00 mm²				
02591802	2	0.331	8.4	73
02591803	3	0.343	8.7	82
02591804	4	0.366	9.3	94
02591805	5	0.402	10.2	116
02591807	7	0.429	10.9	136
02591809	9	0.535	13.6	195
02591812	12	0.539	13.7	203
02591818	18	0.634	16.1	286
02591825	25	0.752	19.1	395
▶ 16 AWG (≈ 27-29/30) • 1.50 mm²				
02591602	2	0.350	8.9	83
02591603	3	0.382	9.7	102
02591604	4	0.406	10.3	121
02591605	5	0.433	11.0	139
02591607	7	0.472	12.0	170
02591609	9	0.551	14.0	236
02591612	12	0.606	15.4	265
02591618	18	0.713	18.1	381
02591625	25	0.850	21.6	516

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 14 AWG (≈ 46/30) • 2.50 mm²				
02591403	3	0.441	11.2	142
02591404	4	0.465	11.8	165
02591405	5	0.512	13.0	198
02591407	7	0.567	14.4	252
02591409	9	0.709	18.0	388
02591412	12	0.744	18.9	413
02591418	18	0.874	22.2	585
02591425	25	1.028	26.1	765
▶ 12 AWG (≈ 52/28) • 4.00 mm²				
02591203	3	0.512	13.0	196
02591204	4	0.555	14.1	239
02591205	5	0.606	15.4	286
02591207	7	0.665	16.9	368
▶ 10 AWG (≈ 78/28) • 6.00 mm²				
02591003	3	0.587	14.9	267
02591004	4	0.630	16.0	318
02591005	5	0.705	17.9	399

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FLEXIBLE CONTROL CABLES



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

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



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Marking for CC 600 CY 02591804: SAB BRÖCKSKES · D-VIERSEN ·

CC 600 CY 8 AWG/4c 02591804 UL AWM Style 21216 90°C Oil 60°C 600V CSA AWM I/II A/B 90°C F 600V FT1 FT2 CE

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Construction:

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

Outstanding features:

- ▶ UL recognized and CSA approved
- ▶ high mechanical loading capacity
- ▶ oil resistant

Technical data:

Nominal voltage:	DIN VDE Uo/U 300/500 V	UL/CSA 600 V
Testing voltage U:	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2; conductor/screen 1000 V	
Min. bending radius		
<i>fixed installation:</i>	5 x O.D.	
<i>free movement:</i>	10 x O.D.	
Radiation resistance:	5 x 10 ⁷ cJ/kg	
Temperature range	DIN VDE	UL/CSA: up to +90 °C
<i>static:</i>	-40/+70 °C	
<i>flexing:</i>	+5/+70 °C	
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1, CSA FT1 and FT2	
Oil resistance:	very good - PVC, 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. 210-05	
Absence of harmful substances:	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
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▶ 8 AWG (≈ 77/26) • 10.00 mm²				
02590804	4	0.827	21.0	551
▶ 6 AWG (≈ 119/26) • 16.00 mm²				
02590604	4	0.988	25.1	797
▶ 4 AWG (≈ 196/26) • 25.00 mm²				
02590404	4	1.185	30.1	1208
▶ 2 AWG (≈ 280/26) • 35.00 mm²				
02590204	4	1.354	34.4	1613

Other dimensions and colors are possible on request.

E-mail: info@sabcable.com



Web site: www.sabcable.com