

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



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

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

VDE Reg.-Nr. 7000 4 G 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

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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.

Construction:

Conductor:	AWG 20 - AWG 10 bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5 AWG 8 - AWG 2 bare copper strands acc. to UL/CSA
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
- good EMC characteristics
- **AWG 20 - AWG 10:**
built in acc. VDE-Reg.-Nr. 7000

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	
Chemical resistance:	see page O/10	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/29	

item no.	no. of conductors incl. ground	nominal outer- ϕ inch	nominal outer- ϕ mm	cable weight \approx lbs/mft	item no.	no. of conductors incl. ground	nominal outer- ϕ inch	nominal outer- ϕ mm	cable weight \approx lbs/mft	item no.	no. of conductors incl. ground	nominal outer- ϕ inch	nominal outer- ϕ mm	cable weight \approx lbs/mft
▶ 20 AWG (\approx 16/32) • 0.50 mm²					▶ 16 AWG (\approx 27-29/30) • 1.50 mm²					▶ 12 AWG (\approx 52/28) • 4.00 mm²				
02592002	2	0.295	7.5	56	02591602	2	0.350	8.9	83	02591203	3	0.512	13.0	196
02592003	3	0.319	8.1	67	02591603	3	0.382	9.7	102	02591204	4	0.555	14.1	239
02592004	4	0.335	8.5	76	02591604	4	0.406	10.3	121	02591205	5	0.606	15.4	286
02592005	5	0.358	9.1	85	02591605	5	0.433	11.0	139	02591207	7	0.665	16.9	368
02592007	7	0.386	9.8	102	02591607	7	0.472	12.0	170	▶ 10 AWG (\approx 78/28) • 6.00 mm²				
02592010	10	0.470	11.9	148	02591609	9	0.551	14.0	236	02591003	3	0.587	14.9	267
02592012	12	0.476	12.1	151	02591612	12	0.606	15.4	265	02591004	4	0.630	16.0	318
02592025	25	0.657	16.7	282	02591618	18	0.713	18.1	381	02591005	5	0.705	17.9	399
▶ 18 AWG (\approx 30/32) • 1.00 mm²					02591625	25	0.850	21.6	516	▶ 8 AWG (\approx 69/26)				
02591802	2	0.331	8.4	73	▶ 14 AWG (\approx 46/30) • 2.50 mm²					02590804	4	0.807	20.5	531
02591803	3	0.343	8.7	82	02591403	3	0.441	11.2	142	▶ 6 AWG (\approx 110/26)				
02591804	4	0.366	9.3	94	02591404	4	0.465	11.8	165	02590604	4	0.957	24.3	746
02591805	5	0.402	10.2	116	02591405	5	0.512	13.0	198	▶ 4 AWG (\approx 175/26)				
02591807	7	0.429	10.9	136	02591407	7	0.567	14.4	252	02590404	4	1.157	29.4	1144
02591809	9	0.535	13.6	195	02591409	9	0.709	18.0	388	▶ 2 AWG (\approx 272/26)				
02591812	12	0.539	13.7	203	02591412	12	0.744	18.9	413	02590204	4	1.346	34.2	1564
02591818	18	0.634	16.1	286	02591418	18	0.874	22.2	585	▶ 1 AWG (\approx 342/26)				
02591825	25	0.752	19.1	395	02591425	25	1.028	26.1	765	02590104	4	1.441	36.6	1882

Other dimensions and colors are possible on request.

