

FLEXIBLE CONTROL CABLES

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



CC 600 CY T Oil resistant 105°C flexible shielded control cable



600V CSA AWM I/II A/B 105°C 600V FT1 FT2

Marking for CC 600 CY T 02781804: SAB BRÖCKSKES · D-VIERSEN ·
4 G 1.0 mm² CC 600 CY T 18 AWG/4c 02781804 AWM Style 2586 105°C 600V CSA AWM I/II A/B 105°C 600V FT1 FT2

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CC 600 CY T is a multi-conductor, 600 V, 105°C, UL recognized and CSA approved flexible shielded control cable. The reduced outer diameter permits easy handling and installation in confined areas. An overall tinned copper braid is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. CC 600 CY T 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 heat resistant PVC
Color code:	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	in layers with PETP foil over the outer layer
Screen:	tinned copper braiding
Jacket material:	special heat resistant PVC
Jacket color:	gray

Outstanding features:

- UL recognized and CSA approved
- Temperature range up to + 105°C
- good EMC characteristics

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:	8 x 10 ⁷ cJ/kg	
Temperature range	DIN VDE	UL/CSA: up to +105°C
<i>static:</i>	-40/+90°C	
<i>flexing:</i>	+5/+90°C	
<i>short-time use:</i>	+105°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:	acc. to internal standard, see page O/28	
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-ø inch	mm	cable weight ≈ lbs/mft
▶ 20 AWG (≈ 16/32) • 0.50 mm²				
02782002	2	0.228	5.8	30
02782003	3	0.244	6.2	37
02782004	4	0.268	6.8	50
02782007	7	0.319	8.1	72
02782009	9	0.374	9.5	88
02782012	12	0.417	10.6	119
02782015	15	0.457	11.6	142
02782025	25	0.575	14.6	216
▶ 18 AWG (≈ 30/32) • 1.00 mm²				
02781802	2	0.268	6.8	45
02781803	3	0.280	7.1	54
02781804	4	0.311	7.9	68
02781805	5	0.335	8.5	81
02781807	7	0.370	9.4	102
02781809	9	0.445	11.3	125
02781812	12	0.480	12.2	165
02781815	15	0.535	13.6	206
02781818	18	0.563	14.3	233
02781825	25	0.681	17.3	327
02781850	50	0.906	23.0	599

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 16 AWG (≈ 27-29/30) • 1.50 mm²				
02781602	2	0.291	7.4	54
02781603	3	0.315	8.0	69
02781604	4	0.339	8.6	85
02781605	5	0.374	9.5	103
02781607	7	0.406	10.3	132
02781609	9	0.500	12.7	175
02781612	12	0.539	13.7	214
02781615	15	0.598	15.2	269
02781618	18	0.630	16.0	303
02781625	25	0.772	19.6	436
02781650	50	1.020	25.9	805
▶ 14 AWG (≈ 46/30) • 2.50 mm²				
02781403	3	0.374	9.5	100
02781404	4	0.402	10.2	126
02781405	5	0.445	11.3	152
02781407	7	0.492	12.5	196
02781409	9	0.614	15.6	249
02781412	12	0.654	16.6	324
02781418	18	0.780	19.8	482
02781425	25	0.941	23.9	658

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 12 AWG (≈ 52/28) • 4.00 mm²				
02781203	3	0.437	11.1	144
02781204	4	0.480	12.2	179
02781205	5	0.531	13.5	235
02781207	7	0.575	14.6	285
▶ 10 AWG (≈ 78/28) • 6.00 mm²				
02781003	3	0.504	12.8	197
02781004	4	0.555	14.1	252
02781005	5	0.614	15.6	309
▶ 8 AWG (≈ 69/26)				
02780804	4	0.705	17.9	405
▶ 6 AWG (≈ 110/26)				
02780604	4	0.886	22.5	648
▶ 4 AWG (≈ 175/26)				
02780404	4	1.087	27.6	911
▶ 2 AWG (≈ 272/26)				
02780204	4	1.240	31.5	1271
▶ 1 AWG (≈ 342/26)				
02780104	4	1.335	33.9	1573

Other dimensions and colors are possible on request.

