

FLEXIBLE CONTROL CABLES

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

CC 600 blue Oil resistant 90°C flexible control cable with blue conductors, AWG 20 - AWG 10



Marking for CC blue 600 02081840: S BRÖCKSKES · D-VIERSEN ·

40 x 1,0 mm² CC 600 18 AWG/40c 02081840 AWM Style 21216 90°C Oil 60°C 600V CSA AWM I/II A/B 90°C F 600V FT1 FT2 CE

CC 600 blue is a multi-conductor, 600 V, 90°C, UL recognized and CSA approved, oil resistant flexible control cable. The reduced outer diameter permits easy handling and installation in confined areas. Our specially 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 blue 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:	blue conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	in layers
Jacket material:	special oil resistant PVC acc. to DIN VDE and UL/CSA
Jacket color:	gray

Outstanding features:

- ▶ 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	
Min. bending radius <i>fixed installation:</i>	< 12 mm = 3 x O.D. > 12 mm = 4 x O.D.	
<i>free movement:</i>	< 12 mm = 5 x O.D. > 12 mm = 6 x O.D.	
Radiation resistance:	8 x 10 ⁷ cJ/kg	
Temperature range <i>static:</i> <i>flexing:</i>	DIN VDE -40/+70 °C +5/+70 °C	UL/CSA: up to +90°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW1, CSA FT1 and FT2	
Oil resistance:	very good - 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	
Chem. resistance:	see page N/9	
Impact and Crushing test:	in accordance to UL 1277 same requirement for Exposed Run	
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	item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 20 AWG (≈ 16/32) • 0.50 mm²					▶ 18 AWG (≈ 30/32) • 1.00 mm²					▶ 16 AWG (≈ 27-29/30) • 1.50 mm²				
02082002	2	0.209	5.3	27	02081812	12	0.445	11.3	142	02081634	34	0.827	21.0	519
02082003	3	0.220	5.6	32	02081814	14	0.476	12.1	165	02081640	40	0.902	22.9	620
02082004	4	0.236	6.0	36	02081815	15	0.500	12.7	180	02081641	41	0.902	22.9	597
02082005	5	0.264	6.7	48	02081818	18	0.535	13.6	209	02081650	50	0.980	24.9	714
02082007	7	0.283	7.2	58	02081825	25	0.646	16.4	286	02081661	61	1.051	26.7	891
02082008	8	0.335	8.5	77	02081830	30	0.669	17.0	331	▶ 14 AWG (≈ 46/30) • 2.50 mm²				
02082009	9	0.362	9.2	84	02081834	34	0.728	18.5	380	02081402	2	0.319	8.1	73
02082010	10	0.370	9.4	85	02081840	40	0.783	19.9	447	02081403	3	0.339	8.6	89
02082012	12	0.382	9.7	96	02081841	41	0.783	19.9	434	02081404	4	0.374	9.5	108
02082014	14	0.398	10.1	108	02081850	50	0.882	22.4	533	02081405	5	0.417	10.6	141
02082016	16	0.429	10.9	126	02081861	61	0.933	23.7	654	02081407	7	0.457	11.6	179
02082018	18	0.449	11.4	139	▶ 16 AWG (≈ 27-29/30) • 1.50 mm²					02081408	8	0.543	13.8	233
02082025	25	0.547	13.9	190	02081602	2	0.264	6.7	48	02081409	9	0.587	14.9	267
02082030	30	0.563	14.3	218	02081603	3	0.280	7.1	58	02081410	10	0.598	15.2	260
02082034	34	0.614	15.6	251	02081604	4	0.311	7.9	71	02081412	12	0.618	15.7	299
02082040	40	0.665	16.9	296	02081605	5	0.339	8.6	90	02081418	18	0.736	18.7	440
02082041	41	0.665	16.9	287	02081607	7	0.378	9.6	116	02081425	25	0.909	23.1	612
02082061	61	0.780	19.8	424	02081608	8	0.441	11.2	149	▶ 12 AWG (≈ 52/28) • 4.00 mm²				
▶ 18 AWG (≈ 30/32) • 1.00 mm²					02081609	9	0.480	12.2	162	02081203	3	0.402	10.2	132
02081802	2	0.236	6.0	37	02081610	10	0.488	12.4	167	02081204	4	0.445	11.3	161
02081803	3	0.252	6.4	46	02081612	12	0.504	12.8	191	02081205	5	0.496	12.6	209
02081804	4	0.276	7.0	53	02081614	14	0.535	13.6	220	02081207	7	0.547	13.9	271
02081805	5	0.307	7.8	70	02081615	15	0.563	14.3	229	▶ 10 AWG (≈ 78/28) • 6.00 mm²				
02081807	7	0.335	8.5	87	02081616	16	0.563	14.3	249	02081003	3	0.476	12.1	193
02081808	8	0.390	9.9	106	02081618	18	0.602	15.3	282	02081004	4	0.520	13.2	239
02081809	9	0.425	10.8	122	02081625	25	0.728	18.5	386	02081005	5	0.587	14.9	303
02081810	10	0.433	11.0	125	02081630	30	0.760	19.3	453					

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