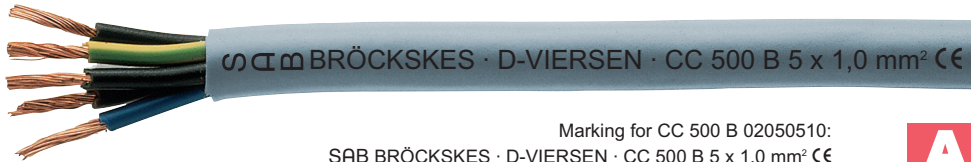


FLEXIBLE CONTROL CABLES

CC 500 B Flexible power control cable with colored conductors



VDE CE



Marking for CC 500 B 02050510:
SAB BRÖCKSKES · D-VIERSEN · CC 500 B 5 x 1,0 mm² CE

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CC 500 B is a multi-conductor, flexible power and control cable designed for use in all electrical equipment in dry, damp and wet conditions. Recommended applications include machine tools, assembly lines, control systems, data processing equipment, CNC machining centers, connections between control panels and machines, grinding machines and bottling equipment.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	PVC, TI2 acc. to DIN VDE 0281 part 1 + HD 21.1
Color code:	colored acc. to HD 308 (VDE 0293 part 308); green-yellow earth wire from 3 conductors
Stranding:	in layers
Jacket material:	PVC, TM2 acc. to DIN VDE 0281 part 1 + HD 21.1
Jacket color:	gray

Outstanding features:

- flexible
- colored conductors
- small bending radius

Technical data:

Nominal voltage:	20 - 16 AWG: U ₀ /U 300/500 V 14 - 1 AWG: U ₀ /U 450/750 V
Testing voltage U:	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2
Min. bending radius fixed installation:	< 12 mm = 3 x O.D. > 12 mm = 4 x O.D.
free movement:	< 12 mm = 5 x O.D. > 12 mm = 6 x O.D.
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature range static:	-40/+70 °C
flexing:	+5/+70 °C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
Oil resistance:	acc. to internal standard, see page N/25
Chem. resistance:	see page N/9
Color code:	see page N/22-24
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

item no.	no. of conductors incl. ground	nominal inch	outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal inch	outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal inch	outer-ø mm	cable weight ≈ lbs/mft				
▶ 20 AWG (17/32) • 0.50 mm²					▶ 16 AWG (27-29/30) • 1.50 mm²					▶ 10 AWG (78/28) • 6.00 mm²								
02050205	2	0.189	4.8	22	02050215	2	0.244	6.2	43	02050360	3	0.500	12.7	204				
02050305	3	0.201	5.1	27	02050315	3	0.256	6.5	53	02050460	4	0.555	14.1	256				
02050405	4	0.217	5.5	32	02050415	4	0.299	7.6	69	02050560	5	0.618	15.7	313				
02050505	5	0.244	6.2	41	02050515	5	0.315	8.0	81	02050760	7	0.681	17.3	412				
02050705	7	0.264	6.7	50	02050715	7	0.350	8.9	108	▶ 8 AWG (77/26) • 10.00 mm²								
▶ 19 AWG (23/32) • 0.75 mm²					▶ 14 AWG (46/30) • 2.50 mm²					02050361					3	0.622	15.8	331
02050207	2	0.220	5.6	31	02050225	2	0.346	8.8	81	02050461	4	0.701	17.8	421				
02050307	3	0.224	5.7	35	02050325	3	0.374	9.5	101	02050561	5	0.776	19.7	526				
02050407	4	0.244	6.2	43	02050425	4	0.417	10.6	128	▶ 6 AWG (119/26) • 16.00 mm²								
02050507	5	0.264	6.7	52	02050525	5	0.457	11.6	156	02050462	4	0.831	21.1	628				
02050707	7	0.295	7.5	67	02050725	7	0.504	12.8	200	▶ 4 AWG (196/26) • 25.00 mm²								
▶ 18 AWG (30/32) • 1.00 mm²					▶ 12 AWG (52/28) • 4.00 mm²					02050463					4	1.004	25.5	978
02050210	2	0.217	5.5	32	02050340	3	0.425	10.8	143	▶ 2 AWG (280/26) • 35.00 mm²								
02050310	3	0.240	6.1	42	02050440	4	0.472	12.0	179	02050464	4	1.134	28.8	1329				
02050410	4	0.256	6.5	50	02050540	5	0.516	13.1	220	▶ 1 AWG (400/26) • 50.00 mm²								
02050510	5	0.280	7.1	62														
02050710	7	0.315	8.0	81														

Other dimensions and colors are possible on request.