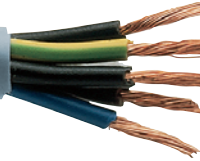


FLEXIBLE CONTROL CABLES



CC 500 B Flexible power control cable with colored conductors

BRÖCKSKES · D-VIERSEN · CC 500 B 5 x 1,0 mm² CE



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

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, T12 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	
<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>	-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
Oil resistance:	acc. to internal standard, see page N/27
Chem. resistance:	see page N/9
Color code:	see page N/24-26
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	outer-ø mm	cable weight ≈ lbs/mft
▶ 20 AWG (≈ 16/32) • 0.50 mm²				
02050205	2	0.189	4.8	22
02050305	3	0.201	5.1	27
02050405	4	0.217	5.5	32
02050505	5	0.244	6.2	41
02050705	7	0.264	6.7	50
▶ 19 AWG (≈ 23/32) • 0.75 mm²				
02050207	2	0.220	5.6	31
02050307	3	0.224	5.7	35
02050407	4	0.244	6.2	43
02050507	5	0.264	6.7	52
02050707	7	0.295	7.5	67
▶ 18 AWG (≈ 30/32) • 1.00 mm²				
02050210	2	0.217	5.5	32
02050310	3	0.240	6.1	42
02050410	4	0.256	6.5	50
02050510	5	0.280	7.1	62
02050710	7	0.315	8.0	81

item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 16 AWG (≈ 27-29/30) • 1.50 mm²				
02050215	2	0.244	6.2	43
02050315	3	0.256	6.5	53
02050415	4	0.299	7.6	69
02050515	5	0.315	8.0	81
02050715	7	0.350	8.9	108
▶ 14 AWG (≈ 46/30) • 2.50 mm²				
02050225	2	0.346	8.8	81
02050325	3	0.374	9.5	101
02050425	4	0.417	10.6	128
02050525	5	0.457	11.6	156
02050725	7	0.504	12.8	200
▶ 12 AWG (≈ 52/28) • 4.00 mm²				
02050340	3	0.425	10.8	143
02050440	4	0.472	12.0	179
02050540	5	0.516	13.1	220

item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 10 AWG (≈ 78/28) • 6.00 mm²				
02050360	3	0.500	12.7	204
02050460	4	0.555	14.1	256
02050560	5	0.618	15.7	313
02050760	7	0.681	17.3	412
▶ 8 AWG (≈ 77/26) • 10.00 mm²				
02050361	3	0.622	15.8	331
02050461	4	0.701	17.8	421
02050561	5	0.776	19.7	526
▶ 6 AWG (≈ 122/26) • 16.00 mm²				
02050462	4	0.831	21.1	628
▶ 4 AWG (≈ 190/26) • 25.00 mm²				
02050463	4	1.004	25.5	978
▶ 2 AWG (≈ 272/26) • 35.00 mm²				
02050464	4	1.134	28.8	1329
▶ 1 AWG (≈ 400/26) • 50.00 mm²				
02050465	4	1.362	34.6	1861

Other dimensions and colors are possible on request.

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