

FLEXIBLE CONTROL CABLES



CC 500 SY (TR) Steel braided flexible control cable with black conductors

Reg.-Nr. 7000 CC 500 SY (TR) 4 x 0,5 mm² CE



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Marking for CC 500 SY (TR) 02180405:

SAB BRÖCKSKES · D-VIERSEN · ÖSYZ-J (TR) VDE-Reg.-Nr. 7000 CC 500 SY (TR) 4 x 0,5 mm² CE

CC 500 SY is a multi-conductor, steel braided, flexible power and control cable. The steel wire braid provides excellent protection against mechanical abuse and EMI emissions. 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:	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Inner jacket:	PVC, TM2 acc. to DIN VDE 0281 part 1 + HD 21.1
Screen:	galvanized steel wire braiding
Stranding:	in layers
Jacket material:	PVC, TM2 acc. to DIN VDE 0281 part 1 + HD 21.1
Jacket color:	CC 500 SY: gray CC 500 SY (TR): transparent

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage U:	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2
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	
<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
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

Outstanding features:

- flexible
- high mechanical loading capacity

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					▶ 19 AWG (≈ 23/32) • 0.75 mm²					▶ 18 AWG (≈ 30/32) • 1.00 mm²				
02180205	2	0.303	7.7	50	02180207	2	0.327	8.3	60	02180210	2	0.335	8.5	65
02180305	3	0.315	8.0	56	02180307	3	0.339	8.6	68	02180310	3	0.346	8.8	73
02180405	4	0.331	8.4	64	02180407	4	0.366	9.3	79	02180410	4	0.378	9.6	87
02180505	5	0.358	9.1	75	02180507	5	0.390	9.9	90	02180510	5	0.406	10.3	104
02180705	7	0.382	9.7	87	02180707	7	0.409	10.4	106	02180710	7	0.437	11.1	125
02181005	10	0.457	11.6	116	02180907	9	0.516	13.1	158	02180810	8	0.504	12.8	159
02181205	12	0.476	12.1	130	02181007	10	0.520	13.2	153	02180910	9	0.539	13.7	185
02181405	14	0.500	12.7	147	02181207	12	0.547	13.9	182	02181010	10	0.551	14.0	183
02181805	18	0.559	14.2	187	02181407	14	0.567	14.4	196	02181210	12	0.563	14.3	201
02182105	21	0.606	15.4	216	02181807	18	0.622	15.8	239	02181410	14	0.594	15.1	225
02182505	25	0.654	16.6	243	02182107	21	0.681	17.3	281	02181810	18	0.650	16.5	278
02183005	30	0.669	17.0	270	02182507	25	0.740	18.8	321	02182010	20	0.677	17.2	302
02183405	34	0.720	18.3	304	02183007	30	0.768	19.5	364	02182510	25	0.772	19.6	369
02184005	40	0.776	19.7	358	02183407	34	0.823	20.9	409	02183010	30	0.795	20.2	415
02185005	50	0.839	21.3	416	02184007	40	0.882	22.4	474	02183410	34	0.846	21.5	469
02186105	61	0.890	22.6	487	02185007	50	0.953	24.2	554	02184110	41	0.913	23.2	552
02188005	80	1.008	25.6	622	02186107	61	1.020	25.9	657	02185010	50	1.004	25.5	655
					02188007	80	1.146	29.1	830	02186110	61	1.063	27.0	765
										02188010	80	1.197	30.4	970

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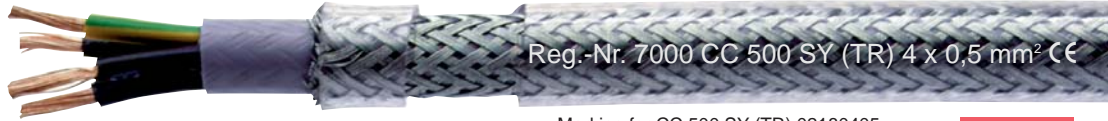
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Web site: www.sabcable.com

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▶ 16 AWG (≈ 27-29/30) • 1.50 mm²					▶ 14 AWG (≈ 46/30) • 2.50 mm²					▶ 10 AWG (≈ 78/28) • 6.00 mm²				
02180215	2	0.366	9.3	79	02180225	2	0.421	10.7	110	02180460	4	0.646	16.4	310
02180315	3	1.563	39.7	91	02180325	3	0.441	11.2	128	02180560	5	0.701	17.8	372
02180415	4	0.406	10.3	105	02180425	4	0.476	12.1	153	02180760	7	0.772	19.6	475
02180515	5	0.441	11.2	126	02180525	5	0.520	13.2	183	▶ 8 AWG (≈ 77/26) • 10.00 mm²				
02180615	6	0.480	12.2	152	02180625	6	0.571	14.5	226	02180461	4	0.799	20.3	491
02180715	7	0.480	12.2	159	02180725	7	0.575	14.6	238	02180561	5	0.882	22.4	605
02180815	8	0.563	14.3	208	02181225	12	0.744	18.9	380	02180761	7	0.961	24.4	761
02180915	9	0.591	15.0	229	02181425	14	0.780	19.8	427	▶ 6 AWG (≈ 122/26) • 16.00 mm²				
02181015	10	0.606	15.4	228	02181825	18	0.858	21.8	532	02180462	4	0.957	24.3	719
02181215	12	0.622	15.8	253	02182125	21	0.953	24.2	628	02180562	5	1.063	27.0	895
02181415	14	0.654	16.6	288	02182525	25	1.031	26.2	715	02180762	7	1.165	29.6	1144
02181815	18	0.720	18.3	354	02183025	30	1.067	27.1	821	▶ 4 AWG (≈ 190/26) • 25.00 mm²				
02182115	21	0.795	20.2	421	02183425	34	1.146	29.1	930	02180463	4	1.138	28.9	1097
02182515	25	0.854	21.7	478	02184025	40	1.256	31.9	1119	02180563	5	1.276	32.4	1386
02183015	30	0.886	22.5	547	02185025	50	1.362	34.6	1327	▶ 2 AWG (≈ 272/26) • 35.00 mm²				
02183415	34	0.953	24.2	616	02186125	61	1.453	36.9	1569	02180464	4	1.311	33.3	1506
02184215	42	1.028	26.1	748	▶ 12 AWG (≈ 52/28) • 4.00 mm²					02180564	5	1.449	36.8	1859
02185015	50	1.118	28.4	819	02180340	3	0.512	13.0	180	Other dimensions and colors are possible on request.				
02186115	61	1.185	30.1	1017	02180440	4	0.563	14.3	226					
02188015	80	1.358	34.5	1333	02180540	5	0.610	15.5	270					
					02180740	7	0.665	16.9	339					

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