

# Flexible Control Cables

## CC 500 SY (TR)

Steel braided flexible control cable with black conductors



Marking for CC 500 SY (TR) 2180405:

SAB BRÖCKSKES · D-VIERSEN · ÖSZY-J (TR) <VDE-REG 7000> CC 500 SY (TR) 4x0.5mm² CE

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### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	PVC, T12 acc. to EN 50363-3 + VDE 0207-363-3
<b>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground from 3 conductors
<b>Inner jacket:</b>	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
<b>Shielding:</b>	galvanized steel wire braiding
<b>Stranding:</b>	in layers
<b>Jacket materials:</b>	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
<b>Jacket color:</b>	transparent

### Technical data:

<b>Nominal voltage:</b>	Uo/U 300/500 V
<b>Testing voltage:</b>	conductor/conductor: 3000 V
<b>Min. bending radius:</b>	
<i>fixed installation:</i>	5 x O.D.
<i>free movement:</i>	10 x O.D.
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg
<b>Temperature range:</b>	
<i>static:</i>	-40/+70°C
<i>flexible:</i>	+5/+70°C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Oil resistance:</b>	acc. to internal standard, see page O/29
<b>Chemical resistance:</b>	see page O/11
<b>Approvals:</b>	CE, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

### Outstanding features:



- flexible
- high mechanical loading capacity

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
<b>▶ 20 AWG (≈ 16/32) ▪ 0.50 mm<sup>2</sup></b>				
2180205	2	0.303	7.7	50
2180305	3	0.315	8.0	56
2180405	4	0.331	8.4	64
2180505	5	0.358	9.1	75
2180705	7	0.382	9.7	87
2181005	10	0.457	11.6	116
2181205	12	0.476	12.1	130
2181405	14	0.500	12.7	147
2181805	18	0.559	14.2	187
2182105	21	0.606	15.4	216
2182505	25	0.654	16.6	243
<b>▶ 19 AWG (≈ 23/32) ▪ 0.75 mm<sup>2</sup></b>				
2180207	2	0.327	8.3	60
2180307	3	0.339	8.6	68
2180407	4	0.366	9.3	79
2180507	5	0.390	9.9	90
2180707	7	0.409	10.4	106
2180907	9	0.516	13.1	158
2181007	10	0.520	13.2	153
2181207	12	0.547	13.9	182
2181407	14	0.567	14.4	196
2181807	18	0.622	15.8	239
2182107	21	0.681	17.3	281
2182507	25	0.740	18.8	321
<b>▶ 18 AWG (≈ 30/32) ▪ 1.00 mm<sup>2</sup></b>				
2180210	2	0.335	8.5	65
2180310	3	0.346	8.8	73
2180410	4	0.378	9.6	87
2180510	5	0.406	10.3	104
2180710	7	0.437	11.1	125
2180810	8	0.504	12.8	159
2180910	9	0.539	13.7	185
2181010	10	0.551	14.0	183

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
<b>▶ 18 AWG (≈ 30/32) ▪ 1.00 mm<sup>2</sup></b>				
2181210	12	0.563	14.3	201
2181410	14	0.594	15.1	225
2181810	18	0.650	16.5	278
2182010	20	0.677	17.2	302
2182510	25	0.772	19.6	369
<b>▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm<sup>2</sup></b>				
2180215	2	0.366	9.3	79
2180315	3	0.382	9.7	91
2180415	4	0.406	10.3	105
2180515	5	0.441	11.2	126
2180615	6	0.480	12.2	152
2180715	7	0.480	12.2	159
2180815	8	0.563	14.3	208
2180915	9	0.591	15.0	229
2181015	10	0.606	15.4	228
2181215	12	0.622	15.8	253
2181415	14	0.654	16.6	288
2181815	18	0.720	18.3	354
2182115	21	0.795	20.2	421
2182515	25	0.854	21.7	478
<b>▶ 14 AWG (≈ 46/30) ▪ 2.50 mm<sup>2</sup></b>				
2180225	2	0.421	10.7	110
2180325	3	0.441	11.2	128
2180425	4	0.476	12.1	153
2180525	5	0.520	13.2	183
2180625	6	0.571	14.5	226
2180725	7	0.575	14.6	238
2181225	12	0.744	18.9	380
2181425	14	0.780	19.8	427
2181825	18	0.858	21.8	532
2182125	21	0.953	24.2	628
2182525	25	1.031	26.2	715

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
<b>▶ 12 AWG (≈ 52/28) ▪ 4.00 mm<sup>2</sup></b>				
2180340	3	0.512	13.0	180
2180440	4	0.563	14.3	226
2180540	5	0.610	15.5	270
<b>▶ 10 AWG (≈ 78/28) ▪ 6.00 mm<sup>2</sup></b>				
2180460	4	0.646	16.4	310
2180560	5	0.701	17.8	372
<b>▶ 8 AWG (≈ 69/26)</b>				
2180461	4	0.799	20.3	490
2180561	5	0.882	22.4	605
<b>▶ 6 AWG (≈ 110/26)</b>				
2180462	4	0.957	24.3	719
2180562	5	1.063	27.0	895
<b>▶ 4 AWG (≈ 175/26)</b>				
2180463	4	1.138	28.9	1097
2180563	5	1.276	32.4	1385
<b>▶ 2 AWG (≈ 272/26)</b>				
2180464	4	1.311	33.3	1506
2180564	5	1.449	36.8	1858

2 conductor cable does not have ground  
Other dimensions and colors are available on request