

Flexible Control Cables

CC 500

Flexible control cable with numbered conductors



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Marking for CC 500 2001215:
SAB BRÖCKSKES · D-VIERSEN · ÖZ-J <VDE-REG 7000> CC 500 12x1.5 mm² CE

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 5
Insulation:	PVC, Tl2 acc. to EN 50363-3 + VDE 0207-363-3
Color code:	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground from 3 conductors
Stranding:	in layers
Jacket materials:	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
Jacket color:	gray (RAL 7000)

Outstanding features:



- flexible
- numbered conductors
- small bending radius

Technical data:

Nominal voltage:	Uo/U 300/500 V
Testing voltage:	conductor/conductor: 3000 V
Min. bending radius:	
<i>fixed installation:</i>	4 x O.D.
<i>free movement:</i>	6 x O.D.
Radiation resistance:	8 x 10 ⁷ cJ/kg
Temperature range:	
<i>static:</i>	-40/+70°C
<i>flexible:</i>	+5/+70°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
Oil resistance:	acc. to internal standard, see page O/29
Chemical resistance:	see page O/11
Approvals:	CE, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 20 AWG (≈ 16/32) ▪ 0.50 mm²				
2000205	2	0.201	5.1	25
2000305	3	0.213	5.4	29
2000405	4	0.228	5.8	35
2000505	5	0.256	6.5	43
2000705	7	0.280	7.1	54
2000805	8	0.327	8.3	67
2000905	9	0.346	8.8	74
2001005	10	0.362	9.2	79
2001205	12	0.374	9.5	89
2001405	14	0.390	9.9	99
2001605	16	0.417	10.6	115
2001805	18	0.441	11.2	127
2002105	21	0.488	12.4	151
2002505	25	0.535	13.6	175
▶ 19 AWG (≈ 23/32) ▪ 0.75 mm²				
2000207	2	0.224	5.7	32
2000307	3	0.244	6.2	40
2000407	4	0.264	6.7	48
2000507	5	0.287	7.3	56
2000707	7	0.323	8.2	74
2000807	8	0.378	9.6	91
2000907	9	0.402	10.2	102
2001007	10	0.417	10.6	107
2001207	12	0.429	10.9	122
2001407	14	0.449	11.4	136
2001607	16	0.480	12.2	157
2001807	18	0.508	12.9	173
2002107	21	0.563	14.3	205
2002507	25	0.614	15.6	238
▶ 18 AWG (≈ 30/32) ▪ 1.00 mm²				
2000210	2	0.232	5.9	36
2000310	3	0.252	6.4	45
2000410	4	0.276	7.0	55
2000510	5	0.307	7.8	68
2000710	7	0.335	8.5	86
2000810	8	0.390	9.9	105
2000910	9	0.425	10.8	122
2002507	25	0.614	15.6	238

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 18 AWG (≈ 30/32) ▪ 1.00 mm²				
2001010	10	0.433	11.0	127
2001210	12	0.445	11.3	142
2001410	14	0.476	12.1	164
2001610	16	0.500	12.7	183
2001810	18	0.535	13.6	208
2002110	21	0.591	15.0	244
2002510	25	0.646	16.4	284
▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm²				
2000215	2	0.264	6.7	48
2000315	3	0.280	7.1	58
2000415	4	0.311	7.9	73
2000515	5	0.339	8.6	87
2000715	7	0.378	9.6	116
2000815	8	0.441	11.2	141
2000915	9	0.480	12.2	157
2001015	10	0.488	12.4	165
2001215	12	0.504	12.8	189
2001415	14	0.535	13.6	218
2001615	16	0.563	14.3	245
2001815	18	0.602	15.3	277
2002115	21	0.665	16.9	327
2002515	25	0.728	18.5	383
▶ 14 AWG (≈ 46/30) ▪ 2.50 mm²				
2000225	2	0.319	8.1	72
2000325	3	0.339	8.6	89
2000425	4	0.374	9.5	112
2000525	5	0.417	10.6	138
2000725	7	0.457	11.6	177
2000825	8	0.543	13.8	220
2000925	9	0.587	14.9	247
2001025	10	0.598	15.2	258
2001225	12	0.618	15.7	296
2001425	14	0.654	16.6	341
2001625	16	0.689	17.5	384
2001825	18	0.736	18.7	431
2002125	21	0.823	20.9	515
2002525	25	0.898	22.8	597

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 12 AWG (≈ 52/28) ▪ 4.00 mm²				
2000340	3	0.402	10.2	132
2000440	4	0.445	11.3	166
2000540	5	0.496	12.6	205
▶ 10 AWG (≈ 78/28) ▪ 6.00 mm²				
2000360	3	0.476	12.1	192
2000460	4	0.520	13.2	237
2000560	5	0.587	14.9	298
▶ 8 AWG (≈ 69/26)				
2000461	4	0.673	17.1	403
2000561	5	0.760	19.3	504
▶ 6 AWG (≈ 110/26)				
2000462	4	0.831	21.1	617
2000562	5	0.929	23.6	765
▶ 4 AWG (≈ 175/26)				
2000463	4	1.004	25.5	966
2000563	5	1.126	28.6	1211
▶ 2 AWG (≈ 272/26)				
2000464	4	1.161	29.5	1334
2000564	5	1.295	32.9	1668
▶ 1 AWG (≈ 342/26)				
2000465	4	1.335	33.9	1824

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



even more than
100 conductors are
possible