

FLEXIBLE CONTROL CABLES

CC 500 CY (TR) Shielded flexible control cable with black conductors



VDE-Reg.-Nr. 7000 CC 500 CY (TR) 4 x 1,0 mm²

Marking for CC 500 CY (TR) 02440410:

SAB BRÖCKSKES · D-VIERSEN · ÖZCu-Y (TR) VDE-Reg.-Nr. 7000 CC 500 CY (TR) 4 x 1,0 mm² CE

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CC 500 CY is a multi-conductor, shielded, flexible power and control cable designed for use in all electrical equipment in dry, damp and wet conditions. An overall tinned copper shield is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. 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:	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	in layers
Inner jacket:	PVC, TM2 acc. to DIN VDE 0281 part 1 HD + 21.1
Screen:	tinned copper braiding
Jacket material:	PVC, TM2 acc. to DIN VDE 0281 part 1 HD + 21.1
Jacket color:	CC 500 CY: gray CC 500 CY (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; conductor/screen 1000 V
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-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/28

Outstanding features:

- good EMC characteristics
- flexible
- high mechanical loading capacity

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 20 AWG (15/32) • 0.50 mm²					▶ 18 AWG (30/32) • 1.00 mm²					▶ 16 AWG (27-29/30) • 1.50 mm²				
02440205	2	0.287	7.3	48	02440210	2	0.327	8.3	73	02440215	2	0.358	9.1	83
02440305	3	0.307	7.8	56	02440310	3	0.339	8.6	81	02440315	3	0.374	9.5	98
02440405	4	0.319	8.1	62	02440410	4	0.370	9.4	97	02440415	4	0.398	10.1	113
02440505	5	0.343	8.7	72	02440510	5	0.394	10.0	111	02440515	5	0.441	11.2	140
02440705	7	0.374	9.5	87	02440710	7	0.437	11.1	136	02440715	7	0.480	12.2	167
02441205	12	0.476	12.1	141	02441210	12	0.563	14.3	204	02441215	12	0.622	15.8	265
02441805	18	0.551	14.0	190	02441810	18	0.650	16.5	284	02441815	18	0.728	18.5	376
02442505	25	0.654	16.6	261	02442510	25	0.772	19.6	392	02442515	25	0.854	21.7	513
02443405	34	0.720	18.3	326	02443410	34	0.854	21.7	507	02443415	34	0.953	24.2	650
02444205	42	0.776	19.7	388	02444210	42	0.909	23.1	597	02444215	42	1.016	25.8	777
02445005	50	0.839	21.3	440	02445010	50	0.992	25.2	685	02445015	50	1.118	28.4	914
02446105	61	0.890	22.6	513	02446110	61	1.063	27.0	798	02446115	61	1.224	30.1	1067
▶ 19 AWG (23/32) • 0.75 mm²					▶ 14 AWG (46/30) • 2.50 mm²									
02440207	2	0.319	8.1	67	02440325	3	0.441	11.2	140	02440425	4	0.476	12.1	164
02440307	3	0.331	8.4	75	02440525	5	0.520	13.2	197	02440725	7	0.575	14.6	249
02440407	4	0.358	9.1	85	02441225	12	0.744	18.9	408	02441825	18	0.862	21.9	569
02440507	5	0.382	9.7	101	Other dimensions and colors are possible on request.									
02440707	7	0.417	10.6	120										
02441207	12	0.539	13.7	178										
02441807	18	0.626	15.9	243										
02442507	25	0.740	18.8	343										
02443407	34	0.827	21.0	435										
02444207	42	0.874	22.2	512										
02445007	50	0.953	24.2	587										
02446107	61	1.012	25.7	687										