

Flexible Control Cables

CC 500 CY (TR)

Shielded flexible control cable with black conductors



Marking for CC 500 CY (TR) 2440410:

SAB BRÖCKSKES · D-VIERSEN · ÖZCüY-J (TR) <VDE-REG 7000> CC 500 CY (TR) 4x1.0mm² CE

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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
Inner jacket:	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
Shielding:	tinned copper braiding
Jacket material:	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
Jacket color:	transparent

Technical data:

Nominal voltage:	Uo/U 300/500 V
Testing voltage:	conductor/conductor: 3000 V conductor/shielding: 2000 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>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

Outstanding features:



- good EMC characteristics
- flexible
- high mechanical loading capacity

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				
2440205	2	0.287	7.3	48
2440305	3	0.307	7.8	56
2440405	4	0.319	8.1	62
2440505	5	0.343	8.7	72
2440705	7	0.374	9.5	87
2441205	12	0.476	12.1	141
2441805	18	0.551	14.0	190
2442505	25	0.654	16.6	261
2443405	34	0.720	18.3	326
2444205	42	0.776	19.7	388
2445005	50	0.839	21.3	440
2446105	61	0.890	22.6	513
▶ 19 AWG (≈ 23/32) ▪ 0.75 mm²				
2440207	2	0.319	8.1	67
2440307	3	0.331	8.4	75
2440407	4	0.358	9.1	85
2440507	5	0.382	9.7	101
2440707	7	0.417	10.6	120
2441207	12	0.539	13.7	178
2441807	18	0.626	15.9	243
2442507	25	0.740	18.8	343
2443407	34	0.827	21.0	435
2444207	42	0.874	22.2	512
2445007	50	0.953	24.2	587
2446107	61	1.012	25.7	687

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				
2440210	2	0.327	8.3	73
2440310	3	0.339	8.6	81
2440410	4	0.370	9.4	97
2440510	5	0.394	10.0	111
2440710	7	0.437	11.1	136
2441210	12	0.563	14.3	204
2441810	18	0.650	16.5	284
2442510	25	0.772	19.6	392
2443410	34	0.854	21.7	507
2444210	42	0.909	23.1	597
2445010	50	0.992	25.2	685
2446110	61	1.063	27.0	798
▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm²				
2440215	2	0.358	9.1	83
2440315	3	0.374	9.5	98
2440415	4	0.398	10.1	113
2440515	5	0.441	11.2	140
2440715	7	0.480	12.2	167
2441215	12	0.622	15.8	265
2441815	18	0.728	18.5	376
2442515	25	0.854	21.7	513
2443415	34	0.953	24.2	650
2444215	42	1.016	25.8	777
2445015	50	1.118	28.4	914
2446115	61	1.185	30.1	1067

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 14 AWG (≈ 46/30) ▪ 2.50 mm²				
2440325	3	0.441	11.2	140
2440425	4	0.476	12.1	164
2440525	5	0.520	13.2	197
2440725	7	0.575	14.6	249
2441225	12	0.744	18.9	408
2441825	18	0.862	21.9	568

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