

Flexible Control Cables

CC 500 B

Flexible power control cable with colored conductors



Marking for CC 500 B 2050415:

SAB BRÖCKSKES · D-VIERSEN · Ö-J CC 500 B 4x1.5 mm² 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:	up to 5 conductors: HD 308, see below from 6 conductors: black conductors with consecutive numbers 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)

Technical data:

Nominal voltage:	0.50 mm ² - 1.50 mm ² : U ₀ /U 300/500 V 2.50 mm ² - 50.0 mm ² : U ₀ /U 450/750 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

Outstanding features:



- flexible
- colored conductors
- small bending radius

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				
2050205	2	0.189	4.8	22
2050305	3	0.201	5.1	27
2050405	4	0.217	5.5	32
2050505	5	0.244	6.2	41
2050705	7	0.264	6.7	50
▶ 19 AWG (≈ 23/32) ▪ 0.75 mm²				
2050207	2	0.220	5.6	31
2050307	3	0.224	5.7	35
2050407	4	0.244	6.2	43
2050507	5	0.264	6.7	52
2050707	7	0.295	7.5	67
▶ 18 AWG (≈ 30/32) ▪ 1.00 mm²				
2050210	2	0.217	5.5	32
2050310	3	0.240	6.1	42
2050410	4	0.256	6.5	50
2050510	5	0.280	7.1	62
2050710	7	0.315	8.0	81

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 16 AWG (≈ 27-29/30) ▪ 1.50 mm²				
2050215	2	0.244	6.2	43
2050315	3	0.256	6.5	53
2050415	4	0.299	7.6	69
2050515	5	0.315	8.0	81
2050715	7	0.350	8.9	108
▶ 14 AWG (≈ 46/30) ▪ 2.50 mm²				
2050225	2	0.346	8.8	81
2050325	3	0.374	9.5	101
2050425	4	0.417	10.6	128
2050525	5	0.457	11.6	156
2050725	7	0.504	12.8	200
▶ 12 AWG (≈ 52/28) ▪ 4.00 mm²				
2050340	3	0.425	10.8	143
2050440	4	0.472	12.0	179
2050540	5	0.516	13.1	220

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 10 AWG (≈ 78/28) ▪ 6.00 mm²				
2050360	3	0.500	12.7	204
2050460	4	0.555	14.1	256
2050560	5	0.618	15.7	313
2050760	7	0.681	17.3	412
▶ 8 AWG (≈ 69/26)				
2050361	3	0.622	15.8	331
2050461	4	0.701	17.8	421
2050561	5	0.776	19.7	526
▶ 6 AWG (≈ 110/26)				
2050462	4	0.831	21.1	628
▶ 4 AWG (≈ 175/26)				
2050463	4	1.004	25.5	978
▶ 2 AWG (≈ 272/26)				
2050464	4	1.134	28.8	1329
▶ 1 AWG (≈ 342/26)				
2050465	4	1.362	34.6	1860

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

HD 308 color code: up to 5 conductors

- 1c: natural
- 2c: blue, brown
- 3c: green/yellow, blue, brown
- 4c: green/yellow, brown, black, gray
- 5c: green/yellow, blue, brown, black, gray

