

CONTINUOUS FLEX CABLES

S 200 C Continuous flex halogen-free TPE shielded control cable with extreme temperature range



Marking for S 200 C 07840161:
SAB BRÖCKSKES · D-VIERSEN · S 200 C 1 x 10.0 mm² CE



Marking for S 200 C 07840515:
SAB BRÖCKSKES · D-VIERSEN · S 200 C 5 G 1.5 mm² CE

B
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S 200 C is a continuous flex shielded multi-conductor cable with a temperature range of -40°C up to +90°C designed for high speed applications in the most extreme conditions. The halogen-free TPE outer jacket passes the stringent VDE test 0282 part 10 and HD 22.10 oil test and provides excellent resistance to chemicals and abrasion. An overall tinned copper shield is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
Insulation:	TPE
Color code from 2 conductors:	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	specially adjusted layering with non-woven tape over each layer
Inner jacket:	SABIX®
Wrapping:	non-woven tape
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	TPE outer jacket
Jacket color:	gray

Outstanding features:

- free from paint wetting disruptive substances (LABS - free)
- flexible at low temperatures
- halogen-free
- travel > 10 m is possible
- good EMC characteristics
- high abrasion resistance

Technical data:

Nominal voltage:	Uo/U 300/500 V
Testing voltage U:	2000 V acc. to DIN VDE 0281 part 2 + HD 21.2 conductor/screen 2000 V
Min. bending radius continuous flexing:	7.5 x O.D.
Radiation resistance:	5 x 10 ⁷ cJ/kg
Temperature range static:	-50/+90°C
flexing:	-40/+90°C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Oil resistance:	very good acc. to DIN VDE 0282 part 10 + HD 22.10
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.
Continuous flexibility:	very good
Weather resistance:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/29

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 20 AWG (≈ 28/34) • 0.50 mm ²				
07840205	2	0.268	6.8	34
07840305	3	0.276	7.0	39
07840405	4	0.291	7.4	45
07840505	5	0.311	7.9	52
07840705	7	0.354	9.0	68
07841205	12	0.417	10.6	101
07841805	18	0.480	12.2	136
07842505	25	0.583	14.8	201
07843605	36	0.646	16.4	255
07845205	52	0.756	19.2	352
07846505	65	0.854	21.7	435

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 19 AWG (≈ 42/34) • 0.75 mm ²				
07840207	2	0.287	7.3	40
07840307	3	0.299	7.6	47
07840407	4	0.315	8.0	55
07840507	5	0.346	8.8	66
07840707	7	0.386	9.8	83
07841207	12	0.469	11.9	129
07841807	18	0.559	14.2	198
07842507	25	0.654	16.6	259
07843607	36	0.736	18.7	349
07845207	52	0.862	21.9	485
07846507	65	0.965	24.5	583

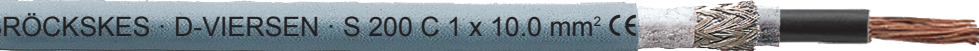
item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 18 AWG (≈ 56/34) • 1.00 mm ²				
07840210	2	0.303	7.7	46
07840310	3	0.315	8.0	55
07840410	4	0.335	8.5	65
07840510	5	0.366	9.3	77
07840710	7	0.421	10.7	107
07841210	12	0.504	12.8	161
07841810	18	0.598	15.2	237
07842510	25	0.724	18.4	323
07843610	36	0.799	20.3	425
07845210	52	0.937	23.8	594
07846510	65	1.055	26.8	726

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Marking for S 200 C 07840515:
SAB BRÖCKSKES · D-VIERSEN · S 200 C 5 G 1.5 mm² CE

S 200 C is a continuous flex shielded multi-conductor cable with a temperature range of -40°C up to +90°C designed for high speed applications in the most extreme conditions. The halogen-free TPE outer jacket passes the stringent VDE test 0282 part 10 and HD 22.10 oil test and provides excellent resistance to chemicals and abrasion. An overall tinned copper shield is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
Insulation:	TPE
Color code from 2 conductors:	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
Stranding:	specially adjusted layering with non-woven tape over each layer
Inner jacket:	SABIX®
Wrapping:	non-woven tape
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	TPE outer jacket
Jacket color:	gray

Outstanding features:

- free from paint wetting disruptive substances (LABS - free)
- flexible at low temperatures
- halogen-free
- travel > 10 m is possible
- good EMC characteristics
- high abrasion resistance

Technical data:

Nominal voltage:	Uo/U 300/500 V
Testing voltage U:	2000 V acc. to DIN VDE 0281 part 2 + HD 21.2 conductor/screen 2000 V
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Radiation resistance:	5 x 10 ⁷ cJ/kg
Temperature range static:	-50/+90°C
flexing:	-40/+90°C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
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Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.
Continuous flexibility:	very good
Weather resistance:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/29

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
▶ 16 AWG (≈ 84/34) • 1.50 mm²					▶ 14 AWG (≈ 140/34) • 2.50 mm²					▶ 12 AWG (≈ 224/34) • 4.00 mm²				
07840115	1	0.181	4.6	24	07840125	1	0.209	5.3	33	07840140	1	0.236	6.0	46
07840215	2	0.327	8.3	55	07840225	2	0.390	9.9	79	07840240	2	0.469	11.9	120
07840315	3	0.346	8.8	70	07840325	3	0.417	10.6	107	07840340	3	0.476	12.1	151
07840415	4	0.370	9.4	84	07840425	4	0.453	11.5	132	07840440	4	0.539	13.7	193
07840515	5	0.398	10.1	97	07840525	5	0.496	12.6	159	07840540	5	0.591	15.0	240
07840715	7	0.469	11.9	138	07840725	7	0.591	15.0	225	07840740	7	0.709	18.0	327
07841215	12	0.579	14.7	229	07841225	12	0.728	18.5	353	▶ 10 AWG (≈ 183/32) • 6.00 mm²				
07841815	18	0.665	16.9	313	07841825	18	0.858	21.8	497	07840160	1	0.260	6.6	60
07842515	25	0.803	20.4	425	07842525	25	1.024	26.0	675	07840260	2	0.539	13.7	169
07843615	36	0.906	23.0	575	07843625	36	1.130	28.7	901	07840360	3	0.575	14.6	224
07845215	52	1.059	26.9	710	07845225	52	1.299	33.0	1221	07840460	4	0.626	15.9	278
07846515	65	1.177	29.9	974						07840560	5	0.677	17.2	326
										07840760	7	0.811	20.6	413

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▶ 8 AWG (≈ 320/32) • 10.00 mm ²					▶ 4 AWG (≈ 760/32) • 25.00 mm ²					▶ 2/0 AWG (≈ 988/28) • 70.00 mm ²								
07840161	1	0.303	7.7	91	07840163	1	0.421	10.7	206	07840166	1	0.697	17.7	555				
07840361	3	0.685	17.4	337	07840363	3	0.941	23.9	704	▶ 3/0 AWG (≈ 1340/28) • 95.00 mm ²								
07840461	4	0.736	18.7	419	07840463	4	1.016	25.8	882	07840167	1	0.846	21.5	754				
07840561	5	0.807	20.5	491	07840563	5	1.146	29.1	1082	▶ 4/0 AWG (≈ 1680/28) • 120.00 mm ²								
▶ 6 AWG (≈ 504/32) • 16.00 mm ²					▶ 2 AWG (≈ 1083/32) • 35.00 mm ²					07840168					1	0.894	22.7	911
07840162	1	0.358	9.1	138	07840164	1	0.492	12.5	274	▶ 250 MCM (≈ 2122/28) • 150.00 mm ²								
07840362	3	0.815	20.7	487	07840464	4	1.185	30.1	1186	07840169	1	1.031	26.2	1151				
07840462	4	0.886	22.5	615	07840564	5	1.303	33.1	1424	▶ 350 MCM (≈ 1472/26) • 185.00 mm ²								
07840562	5	0.972	24.7	740	▶ 1 AWG (≈ 703/28) • 50.00 mm ²					07840170					1	1.098	27.9	1384
					07840165	1	0.587	14.9	404	▶ 450 MCM (≈ 1910/26) • 240.00 mm ²								
					07840465	4	1.398	35.5	1661	07840171	1	1.232	31.3	1759				

Other dimensions and colors are possible on request.

E-mail: info@sabcable.com



Web site: www.sabcable.com