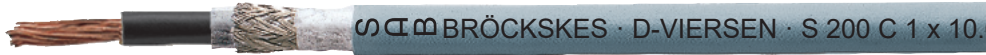


CONTINUOUS FLEX CABLES

S 200 C Continuous flex halogen-free PUR 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

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 PUR 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:	PUR, TPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
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/30

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

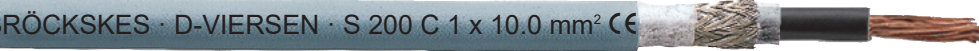
item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 18 AWG (≈ 56/34) • 1.00 mm ²				
07840210	2	0.303	7.7	46
07840310	3	0.315	8.0	55
07840410	4	0.335	8.5	65
07840510	5	0.366	9.3	77
07840710	7	0.421	10.7	107
07841210	12	0.504	12.8	161
07841810	18	0.598	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

Continued on next page

CONTINUOUS FLEX CABLES



S 200 C Continuous flex halogen-free PUR 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

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 PUR 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:	PUR, TPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
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/30

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	82	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

Continued on next page

CONTINUOUS FLEX CABLES

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

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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 PUR 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.

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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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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
▶ 8 AWG (≈ 320/32) • 10.00 mm² 07840161 1 0.303 7.7 91 07840361 3 0.685 17.4 337 07840461 4 0.736 18.7 419 07840561 5 0.807 20.5 491					▶ 4 AWG (≈ 760/32) • 25.00 mm² 07840163 1 0.421 10.7 206 07840363 3 0.941 23.9 704 07840463 4 1.016 25.8 882 07840563 5 1.146 29.1 1082					▶ 2/0 AWG (≈ 988/28) • 70.00 mm² 07840166 1 0.697 17.7 555 ▶ 3/0 AWG (≈ 1340/28) • 95.00 mm² 07840167 1 0.846 21.5 754 ▶ 4/0 AWG (≈ 1680/28) • 120.00 mm² 07840168 1 0.894 22.7 911 ▶ 250 MCM (≈ 2122/28) • 150.00 mm² 07840169 1 1.031 26.2 1151 ▶ 350 MCM (≈ 1472/26) • 185.00 mm² 07840170 1 1.098 27.9 1384 ▶ 450 MCM (≈ 1910/26) • 240.00 mm² 07840171 1 1.232 31.3 1759				
▶ 6 AWG (≈ 504/32) • 16.00 mm² 07840162 1 0.358 9.1 138 07840362 3 0.815 20.7 487 07840462 4 0.886 22.5 615 07840562 5 0.972 24.7 740					▶ 2 AWG (≈ 1083/32) • 35.00 mm² 07840164 1 0.492 12.5 274 07840464 4 1.185 30.1 1186 07840564 5 1.303 33.1 1424 ▶ 1 AWG (≈ 703/28) • 50.00 mm² 07840165 1 0.587 14.9 404 07840465 4 1.398 35.5 1661					Other dimensions and colors are possible on request.				