

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

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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 ⁶ 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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