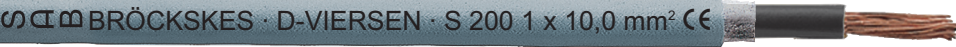


# CONTINUOUS FLEX CABLES



## S 200 Continuous flex halogen free polyurethane control cable with extreme temperature range



Marking for S 200 07740116:  
SAB BRÖCKSKES · D-VIERSEN · S 200 1 x 10,0 mm² CE



Marking for S 200 07741215:  
SAB BRÖCKSKES · D-VIERSEN · S 200 12 x 1,5 mm² CE

S 200 is a continuous flex multi-conductor cable with a temperature range of -40°C up to +90°C designed for high speed applications even in the most extreme conditions. The halogen free polyurethane jacket passes the stringent VDE test 0282 part 10 and HD 22.10 oil test and provides excellent resistance to chemicals and abrasion.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
<b>Insulation:</b>	TPE 510
<b>Color code from 2 conductors:</b>	black conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
<b>Stranding:</b>	specially adjusted layering with non-woven tape over each layer
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	PUR, TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
<b>Jacket color:</b>	gray

### Outstanding features:

- **labs uncritical**  
(labs = enamel moisturing interfering substances)
- **flexible at low temperatures**
- **halogen-free**
- **travel > 10 m is possible**
- **high abrasion resistance**
- **min. bending radius**
- **small outer diameter**

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 300/500 V
<b>Testing voltage U:</b>	2000 V acc. to DIN VDE 0281 part 2 + HD 21.2
<b>Min. bending radius continuous flexing:</b>	7.5 x O.D.
<b>Radiation resistance:</b>	5 x 10 <sup>6</sup> cJ/kg
<b>Temperature range static:</b>	-50/+90 °C
<b>flexing:</b>	-40/+90 °C
<b>Zero halogen:</b>	acc. to DIN VDE 0472 part 815 and IEC 60754-1
<b>Oil resistance:</b>	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
<b>Chem. resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.
<b>Continuous flexibility:</b>	very good
<b>Weather resistance:</b>	very good
<b>Absence of harmful substances:</b>	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 20 AWG (33/34) • 0.50 mm<sup>2</sup></b>					<b>▶ 19 AWG (42/34) • 0.75 mm<sup>2</sup></b>					<b>▶ 16 AWG (84/34) • 1.50 mm<sup>2</sup></b>				
07740205	2	0.193	4.9	18	07741207	12	0.378	9.6	92	07740115	1	0.157	4.0	17
07740305	3	0.201	5.1	23	07741807	18	0.445	11.3	135	07740215	2	0.252	6.4	37
07740405	4	0.217	5.5	28	07742507	25	0.547	13.9	186	07740315	3	0.264	6.7	49
07740505	5	0.236	6.0	34	07743607	36	0.606	15.4	257	07740415	4	0.287	7.3	61
07740705	7	0.272	6.9	45	07745007	50	0.724	18.4	353	07740515	5	0.315	8.0	75
07741205	12	0.327	8.3	66	07746507	65	0.819	20.8	459	07740715	7	0.378	9.6	106
07741805	18	0.390	9.9	97	<b>▶ 18 AWG (56/34) • 1.00 mm<sup>2</sup></b>					07741215	12	0.469	11.9	163
07742505	25	0.469	11.9	132	07740210	2	0.228	5.8	29	07741815	18	0.559	14.2	245
07743605	36	0.539	13.7	188	07740310	3	0.240	6.1	37	07742515	25	0.673	17.1	331
07745005	50	0.634	16.1	255	07740410	4	0.260	6.6	45	07743615	36	0.756	19.2	467
07746505	65	0.717	18.2	331	07740510	5	0.283	7.2	56	07745015	50	0.906	23.0	642
<b>▶ 19 AWG (42/34) • 0.75 mm<sup>2</sup></b>					07740710	7	0.331	8.4	77	07746515	65	1.024	26.0	834
07740207	2	0.213	5.4	24	07741210	12	0.409	10.4	116	Continued on next page				
07740307	3	0.224	5.7	30	07741810	18	0.484	12.3	172					
07740407	4	0.240	6.1	36	07742510	25	0.594	15.1	237					
07740507	5	0.264	6.7	44	07743610	36	0.669	17.0	334					
07740707	7	0.303	7.7	60	07745010	50	0.795	20.2	458					
					07746510	65	0.902	22.9	595					

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**B**  
**55**

S 200 is a continuous flex multi-conductor cable with a temperature range of -40°C up to +90°C designed for high speed applications even in the most extreme conditions. The halogen free polyurethane jacket passes the stringent VDE test 0282 part 10 and HD 22.10 oil test and provides excellent resistance to chemicals and abrasion.

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<b>Testing voltage U:</b>	2000 V acc. to DIN VDE 0281 part 2 + HD 21.2
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<b>Radiation resistance:</b>	5 x 10 <sup>6</sup> cJ/kg
<b>Temperature range</b> <i>static:</i> <i>flexing:</i>	-50/+90 °C -40/+90 °C
<b>Zero halogen:</b>	acc. to DIN VDE 0472 part 815 and IEC 60754-1
<b>Oil resistance:</b>	very good - TPU acc. to DIN VDE 0282 part 10 + HD 22.10
<b>Chem. resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.
<b>Continuous flexibility:</b>	very good
<b>Weather resistance:</b>	very good
<b>Absence of harmful substances:</b>	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 14 AWG (140/34) • 2.50 mm<sup>2</sup></b>				
07740125	1	0.181	4.6	25
07740225	2	0.315	8.0	58
07740325	3	0.335	8.5	78
07740425	4	0.370	9.4	99
07740525	5	0.409	10.4	122
07740725	7	0.488	12.4	171
07741225	12	0.622	15.8	272
07741825	18	0.732	18.6	401
07742525	25	0.894	22.7	547
07743625	36	1.004	25.5	770
<b>▶ 12 AWG (224/34) • 4.00 mm<sup>2</sup></b>				
07740140	1	0.213	5.4	36
07740240	2	0.366	9.3	85
07740340	3	0.386	9.8	114
07740440	4	0.425	10.8	141
07740540	5	0.476	12.1	183
07740740	7	0.575	14.6	261
<b>▶ 10 AWG (192/32) • 6.00 mm<sup>2</sup></b>				
07740160	1	0.240	6.1	51
07740260	2	0.425	10.8	123

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 10 AWG (186/32) • 6.00 mm<sup>2</sup></b>				
07740360	3	0.461	11.7	165
07740460	4	0.504	12.8	208
07740560	5	0.571	14.5	269
07740760	7	0.681	17.3	377
<b>▶ 8 AWG (320/32) • 10.00 mm<sup>2</sup></b>				
07740161	1	0.280	7.1	79
07740361	3	0.571	14.5	274
07740461	4	0.622	15.8	340
07740561	5	0.677	17.2	421
<b>▶ 6 AWG (512/32) • 16.00 mm<sup>2</sup></b>				
07740162	1	0.827	8.3	119
07740362	3	0.677	17.2	406
07740462	4	0.748	19.0	524
07740562	5	0.835	21.2	657
<b>▶ 4 AWG (798/32) • 25.00 mm<sup>2</sup></b>				
07740163	1	0.390	9.9	181
07740363	3	0.811	20.6	618
07740463	4	0.898	22.8	794
07740563	5	1.000	25.4	998

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 2 AWG (1083/32) • 35.00 mm<sup>2</sup></b>				
07740164	1	0.453	11.5	243
07740464	4	1.039	26.4	1074
07740564	5	1.157	29.4	1351
<b>▶ 1 AWG (703/28) • 50.00 mm<sup>2</sup></b>				
07740165	1	0.551	14.0	357
07740465	4	1.252	31.8	1518
<b>▶ 2/0 AWG (988/28) • 70.00 mm<sup>2</sup></b>				
07740166	1	0.657	16.7	500
<b>▶ 3/0 AWG (1340/28) • 95.00 mm<sup>2</sup></b>				
07740167	1	0.807	20.5	685
<b>▶ 4/0 AWG (1680/28) • 120.00 mm<sup>2</sup></b>				
07740168	1	0.846	21.5	836
<b>▶ 250 MCM (2122/28) • 150.00 mm<sup>2</sup></b>				
07740169	1	0.969	24.6	1064
<b>▶ 350 MCM (1472/26) • 185.00 mm<sup>2</sup></b>				
07740170	1	1.021	26.7	1290
<b>▶ 450 MCM (1910/26) • 240.00 mm<sup>2</sup></b>				
07740171	1	1.185	30.1	1652

Other dimensions and colors are possible on request.

E-mail: [info@sabcable.com](mailto:info@sabcable.com)



Web site: [www.sabcable.com](http://www.sabcable.com)