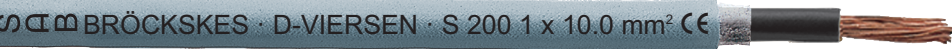


# CONTINUOUS FLEX CABLES



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



Marking for S 200 07740116:  
SAB BRÖCKSKES · D-VIERSEN · S 200 1 G 10.0 mm² CE



Marking for S 200 07741215:  
SAB BRÖCKSKES · D-VIERSEN · S 200 12 G 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 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.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
<b>Insulation:</b>	TPE
<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>	TPE outer jacket
<b>Jacket color:</b>	gray

### Outstanding features:

- free from paint wetting disruptive substances (LABS - free)
- flexible at low temperatures
- halogen-free
- travel > 10 m is possible
- high abrasion resistance
- minimal bending radius
- small outer diameter

### Technical data:

<b>Nominal voltage:</b>	Uo/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>7</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 acc. to DIN VDE 0282 part 10 + HD 22.10
<b>Chemical 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 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
▶ 20 AWG (≈ 28/34) • 0.50 mm <sup>2</sup>					▶ 19 AWG (≈ 42/34) • 0.75 mm <sup>2</sup>					▶ 16 AWG (≈ 84/34) • 1.50 mm <sup>2</sup>				
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	▶ 18 AWG (≈ 56/34) • 1.00 mm <sup>2</sup>					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
▶ 19 AWG (≈ 42/34) • 0.75 mm <sup>2</sup>					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					

# CONTINUOUS FLEX CABLES

## S 200 Continuous flex halogen-free TPE 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 G 1.5 mm² CE

**B**  
**35**

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 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.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
<b>Insulation:</b>	TPE
<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>	TPE outer jacket
<b>Jacket color:</b>	gray

### Outstanding features:

- free from paint wetting disruptive substances (LABS - free)
- flexible at low temperatures
- halogen-free
- travel > 10 m is possible
- high abrasion resistance
- minimal bending radius
- small outer diameter

### Technical data:

<b>Nominal voltage:</b>	Uo/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>7</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 acc. to DIN VDE 0282 part 10 + HD 22.10
<b>Chemical 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 directive of the European Union see page O/29

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 (≈ 186/32) • 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 (≈ 504/32) • 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 (≈ 760/32) • 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.