

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

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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:

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

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage U:	2000 V acc. to DIN VDE 0281 part 2 + HD 21.2
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 - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
Chem. 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 N/28

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 20 AWG (≈ 28/34) • 0.50 mm²				
07740205	2	0.193	4.9	18
07740305	3	0.201	5.1	23
07740405	4	0.217	5.5	28
07740505	5	0.236	6.0	34
07740705	7	0.272	6.9	45
07741205	12	0.327	8.3	66
07741805	18	0.390	9.9	97
07742505	25	0.469	11.9	132
07743605	36	0.539	13.7	188
07745005	50	0.634	16.1	255
07746505	65	0.717	18.2	331
▶ 19 AWG (≈ 42/34) • 0.75 mm²				
07740207	2	0.213	5.4	24
07740307	3	0.224	5.7	30
07740407	4	0.240	6.1	36
07740507	5	0.264	6.7	44
07740707	7	0.303	7.7	60

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 19 AWG (≈ 42/34) • 0.75 mm²				
07741207	12	0.378	9.6	92
07741807	18	0.445	11.3	135
07742507	25	0.547	13.9	186
07743607	36	0.606	15.4	257
07745007	50	0.724	18.4	353
07746507	65	0.819	20.8	459
▶ 18 AWG (≈ 56/34) • 1.00 mm²				
07740210	2	0.228	5.8	29
07740310	3	0.240	6.1	37
07740410	4	0.260	6.6	45
07740510	5	0.283	7.2	56
07740710	7	0.331	8.4	77
07741210	12	0.409	10.4	116
07741810	18	0.484	12.3	172
07742510	25	0.594	15.1	237
07743610	36	0.669	17.0	334
07745010	50	0.795	20.2	458
07746510	65	0.902	22.9	595

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 16 AWG (≈ 84/34) • 1.50 mm²				
07740115	1	0.157	4.0	17
07740215	2	0.252	6.4	37
07740315	3	0.264	6.7	49
07740415	4	0.287	7.3	61
07740515	5	0.315	8.0	75
07740715	7	0.378	9.6	106
07741215	12	0.469	11.9	163
07741815	18	0.559	14.2	245
07742515	25	0.673	17.1	331
07743615	36	0.756	19.2	467
07745015	50	0.906	23.0	642
07746515	65	1.024	26.0	834

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