

Continuous Flex

S 200 C

Continuous flex halogen-free polyurethane shielded control cable with extreme temperature range



Marking for S 200 C 07841215:

SAB BRÖCKSKES · D-VIERSEN · S 200 C 12 x 1.5 mm² CE

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Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 6
Insulation:	TPE
Color code: from 2 conductors	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground from 3 conductors
Stranding:	specially adjusted layering with non-woven tape over each layer
Inner jacket:	SABIX®
Wrapping:	non-woven tape
Shielding:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PUR, TMPU acc. to EN 50363-3 + VDE 0207-363-3-10-2 with matte surface
Jacket color:	gray (RAL 7000)

Outstanding features:



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

Technical data:

Nominal voltage:	Uo/U 300/500 V
Testing voltage:	conductor/conductor: 2000 V conductor/shielding: 2000 V
Min. bending radius: continuously flexing:	7.5 x O.D.
Radiation resistance:	1 x 10 ⁷ cJ/kg
Temperature range: static: flexing:	-50/+90°C -40/+90°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.
Continuous flexibility:	very good
Weather resistance:	very good
Approvals:	CE, EAC, RoHS
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	mm	cable weight ≈lbs/mft
▶ 20 AWG (≈ 28/34) ▪ 0.50 mm²				
07840205	2	0.268	6.8	37
07840305	3	0.276	7.0	42
07840405	4	0.291	7.4	48
07840505	5	0.311	7.9	56
07840705	7	0.354	9.0	73
07841205	12	0.417	10.6	102
07841805	18	0.480	12.2	144
07842505	25	0.583	14.8	206
07843605	36	0.646	16.4	255
07845205	52	0.756	19.2	352
07846505	65	0.854	21.7	435
▶ 19 AWG (≈ 42/34) ▪ 0.75 mm²				
07840207	2	0.287	7.3	43
07840307	3	0.299	7.6	50
07840407	4	0.315	8.0	58
07840507	5	0.346	8.8	71
07840707	7	0.386	9.8	87
07841207	12	0.469	11.9	137
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	488
07846507	65	0.965	24.5	583

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 18 AWG (≈ 56/34) ▪ 1.00 mm²				
07840210	2	0.303	7.7	48
07840310	3	0.315	8.0	58
07840410	4	0.335	8.5	66
07840510	5	0.366	9.3	81
07840710	7	0.421	10.7	117
07841210	12	0.504	12.8	167
07841810	18	0.598	15.2	248
07842510	25	0.724	18.4	334
07843610	36	0.799	20.3	441
07845210	52	0.937	23.8	612
07846510	65	1.055	26.8	759
▶ 16 AWG (≈ 84/34) ▪ 1.50 mm²				
07840115	1	0.181	4.6	24
07840215	2	0.327	8.3	58
07840315	3	0.339	8.6	71
07840415	4	0.370	9.4	88
07840515	5	0.398	10.1	100
07840715	7	0.469	11.9	141
07841215	12	0.579	14.7	236
07841815	18	0.665	16.9	325
07842515	25	0.803	20.4	439
07843615	36	0.906	23.0	597
07845215	52	1.059	26.9	799
07846515	65	1.177	29.9	1017

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 14 AWG (≈ 140/34) ▪ 2.50 mm²				
07840125	1	0.209	5.3	33
07840225	2	0.390	9.9	82
07840325	3	0.417	10.6	111
07840425	4	0.453	11.5	137
07840525	5	0.496	12.6	167
07840725	7	0.591	15.0	245
07841225	12	0.728	18.5	364
07841825	18	0.850	21.6	515
07842525	25	1.024	26.0	696
07843625	36	1.130	28.7	934
07845225	52	1.299	33.0	1250
▶ 12 AWG (≈ 224/34) ▪ 4.00 mm²				
07840140	1	0.232	5.9	45
07840240	2	0.457	11.6	122
07840340	3	0.476	12.1	151
07840440	4	0.539	13.7	201
07840540	5	0.591	15.0	240
07840740	7	0.709	18.0	357

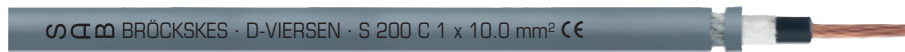
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Marking for S 200 C 07840161:
SAB BRÖCKSKES · D-VIERSEN · S 200 C 1 x 10.0 mm² CE



Marking for S 200 C 07841215:
SAB BRÖCKSKES · D-VIERSEN · S 200 C 12 x 1.5 mm² CE

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item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 10 AWG (≈ 186/32) ▪ 6.00 mm²				
07840160	1	0.260	6.6	61
07840260	2	0.539	13.7	169
07840360	3	0.575	14.6	228
07840460	4	0.626	15.9	282
07840560	5	0.709	18.0	351
07840760	7	0.811	20.6	478
▶ 8 AWG (≈ 320/32) ▪ 10.00 mm²				
07840161	1	0.303	7.7	91
07840361	3	0.685	17.4	347
07840461	4	0.744	18.9	434
07840561	5	0.807	20.5	491
▶ 6 AWG (≈ 504/32) ▪ 16.00 mm²				
07840162	1	0.358	9.1	140
07840362	3	0.815	20.7	486
07840462	4	0.886	22.5	615
07840562	5	0.972	24.7	740

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 4 AWG (≈ 760/32) ▪ 25.00 mm²				
07840163	1	0.421	10.7	202
07840363	3	0.941	23.9	698
07840463	4	1.016	25.8	871
07840563	5	1.146	29.1	1082
▶ 2 AWG (≈ 1083/32) ▪ 35.00 mm²				
07840164	1	0.492	12.5	278
07840464	4	1.185	30.1	1196
07840564	5	1.303	33.1	1424
▶ 1 AWG (≈ 703/28) ▪ 50.00 mm²				
07840165	1	0.591	15.0	405
07840465	4	1.398	35.5	1756
▶ 2/0 AWG (≈ 988/28) ▪ 70.00 mm²				
07840166	1	0.693	17.6	560
▶ 3/0 AWG (≈ 1340/28) ▪ 95.00 mm²				
07840167	1	0.846	21.5	765

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 4/0 AWG (≈ 1680/28) ▪ 120.00 mm²				
07840168	1	0.894	22.7	923
▶ 250 MCM (≈ 2122/28) ▪ 150.00 mm²				
07840169	1	1.031	26.2	1164
▶ 350 MCM (≈ 1472/26) ▪ 185.00 mm²				
07840170	1	1.008	25.6	1402
▶ 450 MCM (≈ 1910/26) ▪ 240.00 mm²				
07840171	1	1.232	31.3	1777

Other dimensions and colors are available on request



Possible on request:

- single conductor with green/yellow insulation and black outer jacket or 0.6/1 kV