

# Continuous Flex

## SD 200

Continuous flex halogen-free polyurethane data cable with extreme temperature range



BRÖCKSKES · D-VIERSEN · SD 200 25 x 0.14 mm<sup>2</sup> CE



Marking for SD 200 7742501

SAB BRÖCKSKES · D-VIERSEN · SD 200 25 x 0.14 mm<sup>2</sup> CE

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### Construction:

<b>Conductor:</b>	bare copper strands, extra fine wires
<b>Insulation:</b>	TPE
<b>Color code:</b>	DIN 47100, see page O/26
<b>Stranding:</b>	specialy adjusted layering with non-woven tape over each layer
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	PUR, TPU acc. to EN50363-10-2 + VDE 0207-363-10-2 with matte surface
<b>Jacket color:</b>	grayish tan (RAL 7032)

### Outstanding features:



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

### Technical data:

<b>Peak operating voltage:</b>	max. 350 V acc. to VDE 0812
<b>Testing voltage:</b>	conductor/conductor: 1500 V
<b>Min. bending radius:</b>	continuously flexing: 7.5 x O.D.
<b>Radiation resistance:</b>	1 x 10 <sup>7</sup> cJ/kg
<b>Temperature range:</b>	<b>DIN VDE</b> static: -50/+90°C flexing: -40/+90°C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Oil resistance:</b>	very good - TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
<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>Approvals:</b>	CE, EAC, RoHS
<b>Absence of harmful substances:</b>	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
<b>▶ 26 AWG (≈ 18/38) ▪ 0.14 mm<sup>2</sup></b>				
7740201	2	0.122	3.1	8
7740301	3	0.130	3.3	10
7740401	4	0.146	3.7	13
7740501	5	0.161	4.1	16
7740701	7	0.185	4.7	22
7741001	10	0.217	5.5	28
7741201	12	0.224	5.7	32
7741401	14	0.232	5.9	36
7741801	18	0.268	6.8	48
7742501	25	0.319	8.1	63
7743201	32	0.350	8.9	81

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 24 AWG (≈ 32/38) ▪ 0.25 mm<sup>2</sup></b>				
7740202	2	0.130	3.3	11
7740302	3	0.146	3.7	13
7740402	4	0.157	4.0	15
7740502	5	0.169	4.3	20
7740702	7	0.197	5.0	26
7741002	10	0.217	5.5	34
7741202	12	0.232	5.9	40
7741402	14	0.240	6.1	46
7741802	18	0.268	6.8	59
7742502	25	0.319	8.1	82
7743202	32	0.350	8.9	104

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 22 AWG (≈ 42/38) ▪ 0.34 mm<sup>2</sup></b>				
7740203	2	0.146	3.7	11
7740303	3	0.154	3.9	14
7740403	4	0.165	4.2	17
7740503	5	0.177	4.5	20
7740703	7	0.205	5.2	28
7741003	10	0.240	6.1	35
7741203	12	0.248	6.3	40
7741403	14	0.260	6.6	46
7741803	18	0.287	7.3	59
7742503	25	0.350	8.9	82
7743203	32	0.374	9.5	104

Other dimensions and colors are available on request



### Possible on request:

- 20 AWG or 19 AWG