

# Continuous Flex

## SD 200 C

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



Marking for SD 200 C 07842501:

SAB BRÖCKSKES · D-VIERSEN · SD 200 C 25 x 0.14 mm² CE

### 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>	specially adjusted layering with non-woven tape over each layer
<b>Wrapping:</b>	non-woven tape
<b>Shielding:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	PUR, TMPU acc. to EN 50363-10-2 + 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
- good EMC characteristics
- high abrasion resistance

### Technical data:

<b>Peak operating voltage:</b>	max. 350 V acc. to VDE 0812
<b>Testing voltage:</b>	conductor/conductor: 1500 V conductor/shielding: 1200 V
<b>Min. bending radius:</b> <i>continuously flexing:</i>	7.5 x O.D.
<b>Radiation resistance:</b>	1 x 10 <sup>7</sup> cJ/kg
<b>Temperature range:</b> <i>static:</i> <i>flexing:</i>	<b>DIN VDE</b> -50/+90°C -40/+90°C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Oil resistance:</b>	very good - TMPU 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

B  
37

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>				
07840201	2	0.130	3.3	11
07840301	3	0.142	3.6	13
07840401	4	0.154	3.9	16
07840501	5	0.161	4.1	17
07840701	7	0.185	4.7	24
07841001	10	0.226	5.7	30
07841201	12	0.232	5.9	32
07841801	18	0.256	6.5	42
07842501	25	0.299	7.6	54
07843201	32	0.319	8.1	65

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>				
07840202	2	0.150	3.8	13
07840302	3	0.157	4.0	16
07840402	4	0.165	4.2	19
07840502	5	0.181	4.6	23
07840702	7	0.205	5.2	32
07841002	10	0.244	6.2	38
07841202	12	0.252	6.4	44
07841402	14	0.268	6.8	51
07841802	18	0.287	7.3	59
07842502	25	0.346	8.8	79
07843202	32	0.366	9.3	95

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>				
07840203	2	0.165	4.2	17
07840303	3	0.173	4.4	21
07840403	4	0.185	4.7	24
07840503	5	0.197	5.0	28
07840703	7	0.224	5.7	36
07841203	12	0.264	6.7	50
07841803	18	0.307	7.8	71
07842503	25	0.370	9.4	95
07843203	32	0.402	10.2	122

Other dimensions and colors are available on request