

# Continuous Flex Cables for Track

## SD 200 C

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



Marking for SD 200 C 7842501:

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

### Construction:

<b>Conductor:</b>	bare copper strands, extra fine wires
<b>Insulation:</b>	TPE
<b>Color code:</b>	DIN 47100, see below
<b>Stranding:</b>	specialy 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

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item no.	no. of conductors	nominal outer-ø inch mm	cable weight ≈lbs/mft
<b>▶ 26 AWG (≈ 18/38) ▪ 0.14 mm<sup>2</sup></b>			
7840201	2	0.130 3.3	11
7840301	3	0.142 3.6	13
7840401	4	0.154 3.9	16
7840501	5	0.161 4.1	17
7840701	7	0.185 4.7	24
7841001	10	0.226 5.7	30
7841201	12	0.232 5.9	32
7841801	18	0.256 6.5	42
7842501	25	0.299 7.6	54
7843201	32	0.319 8.1	65
<b>▶ 24 AWG (≈ 32/38) ▪ 0.25 mm<sup>2</sup></b>			
7840202	2	0.150 3.8	13
7840302	3	0.157 4.0	16
7840402	4	0.165 4.2	19
7840502	5	0.181 4.6	23
7840702	7	0.205 5.2	32
7841002	10	0.244 6.2	38
7841202	12	0.252 6.4	42
7841402	14	0.268 6.8	51
7841802	18	0.287 7.3	58
7842502	25	0.346 8.8	77
7843202	32	0.366 9.3	94

item no.	no. of conductors	nominal outer-ø inch mm	cable weight ≈lbs/mft
<b>▶ 22 AWG (≈ 42/38) ▪ 0.34 mm<sup>2</sup></b>			
7840203	2	0.157 4.0	15
7840303	3	0.165 4.2	19
7840403	4	0.177 4.5	22
7840503	5	0.189 4.8	26
7840703	7	0.217 5.5	34
7841203	12	0.264 6.7	50
7841803	18	0.307 7.8	69
7842503	25	0.370 9.4	93
7843203	32	0.402 10.2	122
<b>▶ 20 AWG (≈ 28/34) ▪ 0.50 mm<sup>2</sup></b>			
7840250	2	0.181 4.6	20
7840350	3	0.189 4.8	24
7840450	4	0.205 5.2	30
7840550	5	0.220 5.6	34
7840750	7	0.264 6.7	49
7841250	12	0.315 8.0	69
7841850	18	0.374 9.5	100
7842550	25	0.465 11.8	146

item no.	no. of conductors	nominal outer-ø inch mm	cable weight ≈lbs/mft
<b>▶ 19 AWG (≈ 42/34) ▪ 0.75 mm<sup>2</sup></b>			
7840275	2	0.205 5.2	26
7840375	3	0.217 5.5	32
7840475	4	0.232 5.9	38
7840575	5	0.260 6.6	48
7840775	7	0.303 7.7	65
7841275	12	0.374 9.5	97
7841875	18	0.457 11.6	153
7842575	25	0.563 14.3	216

Other dimensions and colors are available on request

### DIN 47100 color code:

#1- white, #2- brown, #3- green, #4- yellow, #5- gray, #6- pink, #7- blue, #8- red, #9- black, #10- violet, #11- gray-pink, #12- red-blue, #13- white-green, #14- brown-green, #15- white-yellow, #16- yellow-brown, #17- white-gray, #18- gray-brown, #19- white-pink, #20- pink-brown, #21- white-blue, #22- brown-blue, #23- white-red, #24- brown-red, #25- white-black, #26- brown-black, #27- gray-green, #28- yellow-gray, #29- pink-green, #30- yellow-pink, #31- green-blue, #32- yellow-blue