

# CONTINUOUS FLEX CABLES



## SD 200 C Continuous flex halogen free polyurethane shielded control 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

SD 200 C is a continuous flex shielded 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. An overall tinned copper shield is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed.

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### Construction:

<b>Conductor:</b>	bare copper strands, extra fine wires
<b>Insulation:</b>	TPE 510
<b>Color code:</b>	with reference to DIN 47100
<b>Stranding:</b>	specially adjusted layering with non-woven tape over each layer
<b>Wrapping:</b>	non-woven tape
<b>Screen:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	PUR, TPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
<b>Jacket color:</b>	gray

### Outstanding features:

- **labs uncritical**  
(labs = enamel moisturing interfering substances)
- **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 DIN VDE
<b>Testing voltage U:</b>	1500 V acc. to DIN VDE 0472 part 509 conductor/screen 1200 V
<b>Min. bending radius continuous flexing:</b>	7.5 x O.D.
<b>Radiation resistance:</b>	5 x 10 <sup>6</sup> cJ/kg
<b>Temperature range static:</b>	-50/+90 °C
<b>flexing:</b>	-40/+90 °C
<b>Zero halogen:</b>	acc. to DIN VDE 0472 part 815 and IEC 60754-1
<b>Oil resistance:</b>	very good - TPU acc. to DIN VDE 0282 part 10 + HD 22.10
<b>Chem. resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.
<b>Continuous flexibility:</b>	very good
<b>Weather resistance:</b>	very good
<b>Absence of harmful substances:</b>	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

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>				
07840201	2	0.146	3.7	12
07840301	3	0.150	3.8	13
07840401	4	0.161	4.1	16
07840501	5	0.169	4.3	18
07840701	7	0.193	4.9	24
07841201	12	0.232	5.9	36
07841801	18	0.264	6.7	47
07842501	25	0.307	7.8	60
07843201	32	0.335	8.5	70

item no.	no. of conductors	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 24 AWG (32/38) • 0.25 mm<sup>2</sup></b>				
07840202	2	0.157	4.0	15
07840302	3	0.165	4.2	17
07840402	4	0.173	4.4	19
07840502	5	0.185	4.7	24
07840702	7	0.213	5.4	31
07841202	12	0.260	6.6	48
07841802	18	0.295	7.5	64
07842502	25	0.354	9.0	85
07843202	32	0.374	9.5	105

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>				
07840203	2	0.165	4.2	17
07840303	3	0.173	4.4	19
07840403	4	0.185	4.7	24
07840503	5	0.197	5.0	28
07840703	7	0.224	5.7	36
07841203	12	0.272	6.9	55
07841803	18	0.315	8.0	77
07842503	25	0.378	9.6	104
07843203	32	0.402	10.2	124

Other dimensions and colors are possible on request.