

## SD 200 C TP

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



/IERSEN · SD 200 C TP 3 x 2 x 0.5 mm<sup>2</sup> CE



Marking for SD 200 C TP 7890350:

SAB BRÖCKSKES · D-VIERSEN · SD 200 C TP 3 x 2 x 0.5 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>	conductors twisted to pairs, pairs twisted in 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 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
- 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

item no.	no. of pairs	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 26 AWG (≈ 18/38) ▪ 0.14 mm<sup>2</sup></b>				
7890214	2	0.173	4.4	19
7890314	3	0.193	4.9	20
7890414	4	0.220	5.6	27
7890514	5	0.236	6.0	29
7890614	6	0.252	6.4	35
7890714	7	0.264	6.7	40
7891014	10	0.311	7.9	48
7891414	14	0.354	9.0	65
7891814	18	0.394	10.0	85
7892514	25	0.461	11.7	112
<b>▶ 24 AWG (≈ 32/38) ▪ 0.25 mm<sup>2</sup></b>				
7890225	2	0.193	4.9	22
7890325	3	0.217	5.5	28
7890425	4	0.252	6.4	34
7890525	5	0.272	6.9	40
7890625	6	0.280	7.1	46
7890725	7	0.291	7.4	54
7891025	10	0.350	8.9	67
7891425	14	0.429	10.9	101
7891825	18	0.457	11.6	124
7892525	25	0.543	13.8	174

item no.	no. of pairs	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 22 AWG (≈ 42/38) ▪ 0.34 mm<sup>2</sup></b>				
7890234	2	0.205	5.2	26
7890334	3	0.228	5.8	32
7890434	4	0.272	6.9	42
7890534	5	0.291	7.4	48
7890734	7	0.315	8.0	63
7891034	10	0.378	9.6	82
7891434	14	0.457	11.6	120
7891834	18	0.492	12.5	148
7892534	25	0.579	14.7	208
<b>▶ 20 AWG (≈ 28/34) ▪ 0.50 mm<sup>2</sup></b>				
7890250	2	0.248	6.3	34
7890350	3	0.272	6.9	45
7890450	4	0.311	7.9	56
7890550	5	0.346	8.8	68
7890750	7	0.370	9.4	90
7891050	10	0.445	11.3	125
7891450	14	0.531	13.5	169
7891850	18	0.579	14.7	221
7892550	25	0.669	17.0	288

item no.	no. of pairs	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 19 AWG (≈ 42/34) ▪ 0.75 mm<sup>2</sup></b>				
7890275	2	0.283	7.2	46
7890375	3	0.311	7.9	56
7890475	4	0.350	8.9	72
7890575	5	0.409	10.4	99
7890775	7	0.457	11.6	140
7891075	10	0.531	13.5	177
7891475	14	0.634	16.1	246
7891875	18	0.681	17.3	306
7892575	25	0.791	20.1	401

Other dimensions and colors are available on request