

CONTINUOUS FLEX CABLES

SD 200 C TP Continuous flex halogen free polyurethane shielded twisted pairs control cable with extreme temperature range



Marking for SD 200 C TP 07890325:
SAB BRÖCKSKES · D-VIERSEN · SD 200 C TP 3 x 2 x 0,25 mm² CE

SD 200 C TP 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:

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

Peak operating voltage:	max. 350 V acc. to DIN VDE
Testing voltage:	1500 V acc. to DIN VDE 0472 part 509 conductor/screen 1200 V
Min. bending radius <i>continuous flexing:</i>	7.5 x O.D.
Radiation resistance:	5 x 10 ⁷ cJ/kg
Temperature range <i>static:</i>	-50/+90 °C
<i>flexing:</i>	-40/+90 °C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Oil resistance:	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.
Continuous flexibility:	very good
Weather resistance:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

item no.	no. of pairs	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of pairs	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of pairs	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 26 AWG (≈ 18/38) • 0.14 mm²					▶ 24 AWG (≈ 14/34) • 0.25 mm²					▶ 22 AWG (≈ 7/30) • 0.34 mm²				
07890214	2	0.181	4.6	19	07890225	2	0.201	5.1	24	07890234	2	0.213	5.4	27
07890314	3	0.201	5.1	22	07890325	3	0.224	5.7	30	07890334	3	0.236	6.0	35
07890414	4	0.228	5.8	26	07890425	4	0.252	6.4	35	07890434	4	0.272	6.9	42
07890514	5	0.244	6.2	31	07890525	5	0.272	6.9	41	07890534	5	0.291	7.4	49
07890614	6	0.252	6.4	36	07890625	6	0.280	7.1	46	07890734	7	0.315	8.0	63
07890714	7	0.264	6.7	40	07890725	7	0.291	7.4	55	07891034	10	0.378	9.6	81
07891014	10	0.311	7.9	48	07891025	10	0.350	8.9	68	07891434	14	0.457	11.6	122
07891414	14	0.354	9.0	65	07891425	14	0.429	10.9	103	07891834	18	0.492	12.5	150
07891814	18	0.394	10.0	87	07891825	18	0.457	11.6	127	07892534	25	0.579	14.7	210
07892514	25	0.461	11.7	114	07892525	25	0.543	13.8	176	Other dimensions and colors are possible on request.				