SD 200 C TP

Continuous flex halogen-free twisted pairs shielded TPE data 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-pair 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 TPE outer 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.

Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	TPE
Color code:	with reference to DIN 47100
Stranding:	conductors twisted to pairs, pairs twisted in specially adjusted layering with non-woven tape over ech layer
Wrapping:	non-woven tape
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	TPE outer jacket
Jacket color:	gray

Outstanding features:

- **free from paint wetting disruptive substances** (LABS - free)
- **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 *continuous flexing:*	7.5 x O.D.
Radiation resistance:	5 x 10^7 cJ/kg
Temperature range *static:* *flexing:*	-50/+90°C -40/+90°C
Zero halogen:	acc. to DIN VDE 0472 part 815 and IEC 60754-1
Oil resistance:	very good acc. to DIN VDE 0282 part 10 + HD 22.10
Chemical 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 O/29

item no.	no. of pairs	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
► **26 AWG (≈ 18/38) • 0.14 mm²**				
07890214	2	0.181	4.6	19
07890314	3	0.201	5.1	22
07890414	4	0.228	5.8	26
07890514	5	0.244	6.2	31
07890614	6	0.252	6.4	36
07890714	7	0.264	6.7	40
07891014	10	0.311	7.9	48
07891414	14	0.354	9.0	65
07891814	18	0.394	10.0	87
07892514	25	0.461	11.7	114
► **24 AWG (≈ 32/38) • 0.25 mm²**				
07890225	2	0.201	5.1	24
07890325	3	0.224	5.7	30
07890425	4	0.252	6.4	35
07890525	5	0.272	6.9	41
07890625	6	0.280	7.1	46
07890725	7	0.291	7.4	55
07891025	10	0.350	8.9	68
07891425	14	0.429	10.9	103
07891825	18	0.457	11.6	127
07892525	25	0.543	13.8	176

item no.	no. of pairs	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
► **22 AWG (≈ 42/38) • 0.34 mm²**				
07890234	2	0.213	5.4	27
07890334	3	0.236	6.0	35
07890434	4	0.272	6.9	42
07890534	5	0.291	7.4	49
07890734	7	0.315	8.0	63
07891034	10	0.378	9.6	81
07891434	14	0.457	11.6	122
07891834	18	0.492	12.5	150
07892534	25	0.579	14.7	210
► **20 AWG (≈ 28/34) • 0.50 mm²**				
07890250	2	0.248	6.3	35
07890350	3	0.272	6.9	46
07890450	4	0.311	7.9	57
07890550	5	0.346	8.8	69
07890750	7	0.370	9.4	91
07891050	10	0.445	11.3	127
07891450	14	0.531	13.5	172
07891850	18	0.579	14.7	225
07892550	25	0.669	17.0	293

item no.	no. of pairs	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
► **19 AWG (≈ 42/34) • 0.75 mm²**				
07890275	2	0.283	7.2	46
07890375	3	0.311	7.9	57
07890475	4	0.350	8.9	73
07890575	5	0.425	10.8	107
07890775	7	0.457	11.6	143
07891075	10	0.531	13.5	179
07891475	14	0.634	16.1	250
07891875	18	0.681	17.3	311
07892575	25	0.791	20.1	407

Other dimensions and colors are possible on request.