

Continuous Flex

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 mm² CE



Marking for SD 200 C TP 07890350:

SAB BRÖCKSKES · D-VIERSEN · SD 200 C TP 3 x 2 x 0.5 mm² CE

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Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	TPE
Color code:	DIN 47100, see page O/26
Stranding:	conductors twisted to pairs, pairs twisted in specially adjusted layering with non-woven tape over each layer
Wrapping:	non-woven tape
Shielding:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PUR, TMPU acc. to EN50363-10-2 + VDE 0207-363-10-2 with matte surface
Jacket color:	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:

Peak operating voltage:	max. 350 V acc. to VDE 0812
Testing voltage:	conductor/conductor: 1500 V conductor/shielding: 1200 V
Min. bending radius: <i>continuously flexing:</i>	7.5 x O.D.
Radiation resistance:	1 x 10 ⁷ cJ/kg
Temperature range: <i>static:</i> <i>flexing:</i>	DIN VDE -50/+90°C -40/+90°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.
Continuous flexibility	very good
Weather resistance:	very good
Approvals:	CE, EAC, RoHS
Absence of harmful substances:	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
▶ 26 AWG (≈ 18/38) ▪ 0.14 mm²				
07890214	2	0.173	4.4	19
07890314	3	0.193	4.9	20
07890414	4	0.220	5.6	27
07890514	5	0.236	6.0	29
07890614	6	0.252	6.4	35
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	85
07892514	25	0.461	11.7	112
▶ 24 AWG (≈ 32/38) ▪ 0.25 mm²				
07890225	2	0.193	4.9	22
07890325	3	0.217	5.5	28
07890425	4	0.252	6.4	34
07890525	5	0.272	6.9	40
07890625	6	0.280	7.1	46
07890725	7	0.291	7.4	54
07891025	10	0.350	8.9	67
07891425	14	0.429	10.9	101
07891825	18	0.457	11.6	124
07892525	25	0.543	13.8	174

item no.	no. of pairs	nominal outer-ø inch	mm	cable weight ≈lbs/mft
▶ 22 AWG (≈ 42/38) ▪ 0.34 mm²				
07890234	2	0.205	5.2	26
07890334	3	0.228	5.8	32
07890434	4	0.272	6.9	42
07890534	5	0.291	7.4	48
07890734	7	0.315	8.0	63
07891034	10	0.378	9.6	82
07891434	14	0.457	11.6	120
07891834	18	0.492	12.5	148
07892534	25	0.579	14.7	208
▶ 20 AWG (≈ 28/34) ▪ 0.50 mm²				
07890250	2	0.248	6.3	34
07890350	3	0.272	6.9	45
07890450	4	0.311	7.9	56
07890550	5	0.346	8.8	68
07890750	7	0.370	9.4	90
07891050	10	0.445	11.3	125
07891450	14	0.531	13.5	169
07891850	18	0.579	14.7	221
07892550	25	0.669	17.0	288

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	56
07890475	4	0.350	8.9	72
07890575	5	0.409	10.4	99
07890775	7	0.457	11.6	140
07891075	10	0.531	13.5	177
07891475	14	0.634	16.1	246
07891875	18	0.681	17.3	306
07892575	25	0.791	20.1	401

Other dimensions and colors are available on request