

Continuous Flex Cables for Track

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 7890350:

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 below
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, TPU 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 - TPU 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, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	no. of pairs	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 26 AWG (≈ 18/38) ▪ 0.14 mm ²				
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
▶ 24 AWG (≈ 32/38) ▪ 0.25 mm ²				
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	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 22 AWG (≈ 42/38) ▪ 0.34 mm ²				
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
▶ 20 AWG (≈ 28/34) ▪ 0.50 mm ²				
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	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft
▶ 19 AWG (≈ 42/34) ▪ 0.75 mm ²				
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

DIN 47100 color code:

#1- white/brown, #2- green/yellow, #3- gray/pink, #4- blue/red, #5- black/purple, #6- gray-pink/red-blue, #7- white-green/brown-green, #8- white-yellow/yellow-brown, #9- white-gray/gray-brown, #10- white-pink/pink-brown, #11- white-blue/brown-blue, #12- white-red/brown-red, #13- white-black/brown-black, #14- gray-green/yellow-gray, #15- pink-green/yellow-pink, #16- green-blue/yellow-blue, #17- green-red/yellow-red, #18- green-black/yellow-black, #19- gray-blue/pink-blue, #20- gray-red/pink-red, #21- gray-black/pink-black, #22- blue-black, red-black, #23- white/brown, #24- green/yellow, #25- gray/pink