

Continuous Flex Cables for Track

SD 200 C

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



Marking for SD 200 C 7842501:

SAB BRÖCKSKES · D-VIERSEN · SD 200 C 25 x 0.14 mm² CE

Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	TPE
Color code:	DIN 47100, see below
Stranding:	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 EN 50363-10-2 + 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, RoHS
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

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item no.	no. of conductors	outer-ø		cable weight ≈ lbs/mft
		±10% inch	±10% mm	
▶ 26 AWG (≈ 18/38) ▪ 0.14 mm²				
7840201	2	0.130	3.3	11
7840301	3	0.142	3.6	13
7840401	4	0.154	3.9	16
7840501	5	0.161	4.1	17
7840701	7	0.185	4.7	24
7841001	10	0.226	5.7	30
7841201	12	0.232	5.9	32
7841801	18	0.256	6.5	42
7842501	25	0.299	7.6	54
7843201	32	0.319	8.1	65
▶ 24 AWG (≈ 32/38) ▪ 0.25 mm²				
7840202	2	0.150	3.8	13
7840302	3	0.157	4.0	16
7840402	4	0.165	4.2	19
7840502	5	0.181	4.6	23
7840702	7	0.205	5.2	32
7841002	10	0.244	6.2	38
7841202	12	0.252	6.4	42
7841402	14	0.268	6.8	51
7841802	18	0.287	7.3	58
7842502	25	0.346	8.8	77
7843202	32	0.366	9.3	94

item no.	no. of conductors	outer-ø		cable weight ≈ lbs/mft
		±10% inch	±10% mm	
▶ 22 AWG (≈ 42/38) ▪ 0.34 mm²				
7840203	2	0.157	4.0	15
7840303	3	0.165	4.2	19
7840403	4	0.177	4.5	22
7840503	5	0.189	4.8	26
7840703	7	0.217	5.5	34
7841203	12	0.264	6.7	50
7841803	18	0.307	7.8	69
7842503	25	0.370	9.4	93
7843203	32	0.402	10.2	122
▶ 20 AWG (≈ 28/34) ▪ 0.50 mm²				
7840250	2	0.181	4.6	20
7840350	3	0.189	4.8	24
7840450	4	0.205	5.2	30
7840550	5	0.220	5.6	34
7840750	7	0.264	6.7	49
7841250	12	0.315	8.0	69
7841850	18	0.374	9.5	100
7842550	25	0.465	11.8	146

item no.	no. of conductors	outer-ø		cable weight ≈ lbs/mft
		±10% inch	±10% mm	
▶ 19 AWG (≈ 42/34) ▪ 0.75 mm²				
7840275	2	0.205	5.2	26
7840375	3	0.217	5.5	32
7840475	4	0.232	5.9	38
7840575	5	0.260	6.6	48
7840775	7	0.303	7.7	65
7841275	12	0.374	9.5	97
7841875	18	0.457	11.6	153
7842575	25	0.563	14.3	216

Other dimensions and colors are available on request

DIN 47100 color code:

#1- white, #2- brown, #3- green, #4- yellow, #5- gray, #6- pink, #7- blue, #8- red, #9- black, #10- violet, #11- gray-pink, #12- red-blue, #13- white-green, #14- brown-green, #15- white-yellow, #16- yellow-brown, #17- white-gray, #18- gray-brown, #19- white-pink, #20- pink-brown, #21- white-blue, #22- brown-blue, #23- white-red, #24- brown-red, #25- white-black, #26- brown-black, #27- gray-green, #28- yellow-gray, #29- pink-green, #30- yellow-pink, #31- green-blue, #32- yellow-blue