

CONTINUOUS FLEX CABLES

SD 200 Continuous flex halogen-free TPE data cable with extreme temperature range



Marking for SD 200 07742501:
SAB BRÖCKSKES · D-VIERSEN · SD 200 25 x 0.14 mm² CE

SD 200 is a continuous flex multi-conductor cable with a temperature range of -40°C up to +90°C designed for high speed applications 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.

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Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	TPE
Color code:	with reference to DIN 47100
Stranding:	specially adjusted layering with non-woven tape over each layer
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
- high abrasion resistance
- minimal bending radius
- small outer diameter

Technical data:

Peak operating voltage:	max. 350 V acc. to DIN VDE
Testing voltage U:	1500 V acc. to DIN VDE 0472 part 509
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> <i>flexing:</i>	-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 conductors	nominal outer-Ø inch	outer-Ø mm	cable weight ≈ lbs/mft
▶ 26 AWG (≈ 18/38) • 0.14 mm ²				
07740201	2	0.126	3.2	7
07740301	3	0.130	3.3	9
07740401	4	0.142	3.6	10
07740501	5	0.150	3.8	12
07740701	7	0.173	4.4	16
07741001	10	0.201	5.1	20
07741201	12	0.205	5.2	23
07741401	14	0.217	5.5	26
07741801	18	0.236	6.0	32
07742501	25	0.280	7.1	42
07743201	32	0.299	7.6	52

item no.	no. of conductors	nominal outer-Ø inch	outer-Ø mm	cable weight ≈ lbs/mft
▶ 24 AWG (≈ 32/38) • 0.25 mm ²				
07740202	2	0.138	3.5	10
07740302	3	0.146	3.7	12
07740402	4	0.154	3.9	14
07740502	5	0.165	4.2	17
07740702	7	0.193	4.9	23
07741002	10	0.224	5.7	29
07741202	12	0.228	5.8	33
07741402	14	0.240	6.1	38
07741802	18	0.268	6.8	48
07742502	25	0.319	8.1	63
07743202	32	0.346	8.8	81

item no.	no. of conductors	nominal outer-Ø inch	outer-Ø mm	cable weight ≈ lbs/mft
▶ 22 AWG (≈ 42/38) • 0.34 mm ²				
07740203	2	0.146	3.7	11
07740303	3	0.154	3.9	14
07740403	4	0.165	4.2	17
07740503	5	0.177	4.5	20
07740703	7	0.205	5.2	28
07741003	10	0.240	6.1	35
07741203	12	0.248	6.3	40
07741403	14	0.260	6.6	46
07741803	18	0.287	7.3	58
07742503	25	0.350	8.9	80
07743203	32	0.374	9.5	100

Other dimensions and colors are possible on request.