

CONTINUOUS FLEX CABLES

SD 86 Continuous flex cable track data cable for moderate flexing applications



Marking for SD 86 37722502:
SAB BRÖCKSKES · D-VIERSEN · SD 86 25 x 0,25 mm² CE

SD 86 has been designed for use in cable tracks, automatic handling equipment and machine components in constant operation. The special cable design makes SD 86 ideally suited for a wide range of moderate flexing operations.

Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	PVC TI2 acc. to DIN VDE 0281 part 1 + HD 21.1
Color code:	with reference to DIN 47100
Stranding:	specially adjusted layering with non-woven tape over each layer
Jacket material:	PVC TM2 acc. to DIN VDE 0281 part 1 + HD 21.1, reinforced wall thickness
Jacket color:	gray

Outstanding features:

- very good flexibility
- small bending radius
- reinforced outer jacket

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:	8 x 10 ⁷ cJ/kg
Temperature range <i>static:</i> <i>flexing:</i>	-30/+70 °C -5/+70 °C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2
Oil resistance:	acc. to our internal standard see page N/25
Chem. resistance:	see page N/9
Flexibility:	very good
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 26 AWG (18/38) • 0.14 mm²				
37720201	2	0.122	3.1	9
37720301	3	0.130	3.3	10
37720401	4	0.138	3.5	11
37720501	5	0.150	3.8	14
37720701	7	0.173	4.4	19
37721201	12	0.213	5.4	26
37721801	18	0.252	6.4	40
37722501	25	0.307	7.8	51

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 24 AWG (32/38) • 0.25 mm²				
37720202	2	0.134	3.4	11
37720302	3	0.142	3.6	13
37720402	4	0.154	3.9	15
37720502	5	0.165	4.2	19
37720702	7	0.193	4.9	26
37721202	12	0.244	6.2	38
37721802	18	0.283	7.2	56
37722502	25	0.343	8.7	73

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 22 AWG (42/38) • 0.34 mm²				
37720203	2	0.157	4.0	15
37720303	3	0.165	4.2	17
37720403	4	0.181	4.6	21
37720503	5	0.197	5.0	26
37720703	7	0.240	6.1	38
37721203	12	0.295	7.5	54
37721803	18	0.346	8.8	80
37722503	25	0.429	10.9	108

Other dimensions and colors are possible on request.