

CONTINUOUS FLEX CABLES



SD 86 C Shielded continuous flex cable track data cable for moderate flexing applications

BRÖCKSKES · D-VIERSEN · SD 86 C 25 x 0,25 mm² CE



Marking for SD 86 C 37822502:

SAB BRÖCKSKES · D-VIERSEN · SD 86 C 25 x 0,25 mm² CE

SD 86 C has been designed for use in cable tracks, automatic handling equipment and machine components in constant operation. An overall tinned copper shield is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. The special cable design makes SD 86 C ideally suited for a wide range of moderate flexing operations.

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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
Wrapping:	non-woven tape
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Jacket material:	PVC TM2 acc. to DIN VDE 0281 part 1 + HD 21.1
Jacket color:	gray

Outstanding features:

- ▶ very good flexibility
- ▶ good EMC characteristics
- ▶ 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 conductor/screen 1200 V
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/27
Chem. resistance:	see page N/9
Flexibility:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
▶ 26 AWG (≈ 18/38) • 0.14 mm²					▶ 24 AWG (≈ 14/34) • 0.25 mm²					▶ 22 AWG (≈ 7/30) • 0.34 mm²				
37820201	2	0.146	3.7	13	37820202	2	0.157	4.0	15	37820203	2	0.189	4.8	21
37820301	3	0.154	3.9	15	37820302	3	0.165	4.2	19	37820303	3	0.197	5.0	25
37820401	4	0.161	4.1	16	37820402	4	0.177	4.5	22	37820403	4	0.213	5.4	30
37820501	5	0.173	4.4	20	37820502	5	0.197	5.0	26	37820503	5	0.228	5.8	34
37820701	7	0.205	5.2	27	37820702	7	0.224	5.7	35	37820703	7	0.268	6.8	44
37821201	12	0.248	6.3	38	37821202	12	0.272	6.9	49	37821203	12	0.335	8.5	70
37821801	18	0.280	7.1	50	37821802	18	0.327	8.3	73	37821803	18	0.386	9.8	97
37822501	25	0.346	8.8	70	37822502	25	0.382	9.7	93	37822503	25	0.461	11.7	135

Other dimensions and colors are possible on request.

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Web site: www.sabcable.com