

# CONTINUOUS FLEX CABLES

also available with color code acc. to DIN 47100 and with black jacket

## SD 960 Very flexible continuous flex data cable for small bending radius



Marking for SD 960 31702625:

SAB BRÖCKSKES · D-VIERSEN · 31702501 25 x 0,14 mm<sup>2</sup> SD 960 26 AWG/25c 31702625 AWM Style 21083 80°C 300V CE

SD 960 is a very flexible multi-conductor 80°C, 300 V cable designed for continuous flex applications. The SD 960 is designed for use on gantry robots, cable tracks, pick and place units, automated handling equipment, machine tools, conveyor systems and other continuous flexing applications.

### Construction:

<b>Conductor:</b>	bare copper strands, extra fine wires
<b>Insulation:</b>	PVC, TI2 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Color code:</b>	acc. to color code US 2 see page N/25
<b>Stranding:</b>	specially adjusted layering with non-woven tape over each layer
<b>Jacket material:</b>	PVC TM2 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Jacket color:</b>	gray

### Outstanding features:

- good flexibility
- small bending radius
- reinforced outer jacket

### Technical data:

<b>Peak operating voltage:</b>	<b>DIN VDE:</b> max. 350 V <b>UL:</b> 300 V
<b>Testing voltage U:</b>	1500 V acc. to DIN VDE 0472 part 509
<b>Min. bending radius continuous flexing:</b>	7.5 x O.D.
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg
<b>Temperature range static:</b>	<b>DIN VDE</b> -30/+70°C <b>UL:</b> up to +80°C
<b>Temperature range flexing:</b>	-5/+70°C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1
<b>Oil resistance:</b>	acc. to our internal standard see page N/27
<b>Absence of harmful substances:</b>	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/28

item no.	no. of conductors	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 26 AWG (18/38) • 0.14 mm <sup>2</sup>				
37102602	2	0.154	3.9	11
37102603	3	0.161	4.1	14
37102604	4	0.177	4.5	16
37102605	5	0.193	4.9	20
37102607	7	0.224	5.7	28
37102610	10	0.264	6.7	33
37102614	14	0.283	7.2	42
37102618	18	0.323	8.2	56
37102625	25	0.398	10.1	78

item no.	no. of conductors	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 24 AWG (32/38) • 0.25 mm <sup>2</sup>				
37102402	2	0.165	4.2	15
37102403	3	0.177	4.5	17
37102404	4	0.189	4.8	21
37102405	5	0.209	5.3	26
37102407	7	0.248	6.3	36
37102410	10	0.287	7.3	44
37102414	14	0.319	8.1	58
37102418	18	0.354	9.0	74
37102425	25	0.433	11.0	102

item no.	no. of conductors	nominal outer-ø inch	outer-ø mm	cable weight ≈ lbs/mft
▶ 22 AWG (42/38) • 0.34 mm <sup>2</sup>				
37102202	2	0.173	4.4	17
37102203	3	0.185	4.7	20
37102204	4	0.201	5.1	24
37102205	5	0.217	5.5	30
37102207	7	0.260	6.6	41
37102210	10	0.311	7.9	53
37102214	14	0.335	8.5	69
37102218	18	0.374	9.5	87
37102225	25	0.461	11.7	120

Other dimensions and colors are possible on request.