

# CONTINUOUS FLEX CABLES

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



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



25c 07852425 AWM Style 21083 80°C 300V

Marking for SD 960 CY 07852425:

SAB BRÖCKSKES · D-VIERSEN · 07852502 25 x 0,25 mm<sup>2</sup> SD 960 CY 24 AWG/25c 07852425 AWM Style 21083 80°C 300V

SD 960 CY is a very flexible, shielded multi-conductor 80°C, 300 V cable designed for continuous flex applications. An overall tinned copper shield is recommended whenever electrical interference distorts signal transmission, or when EMI emissions need to be suppressed. The SD 960 CY 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.

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### 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 M/23
<b>Stranding:</b>	specially adjusted layering with non-woven tape over each layer
<b>Wrapping:</b>	non-woven tape
<b>Screen:</b>	tinned copper braiding
<b>Jacket material:</b>	PVC TM2 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Jacket color:</b>	black

### Outstanding features:

- very good EMC characteristics
- very good flexibility
- small bending radius

### 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 conductor/screen 1200 V
<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>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 M/25
<b>Absence of harmful substances:</b>	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page M/25

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈ lbs/mft
<b>▶ 26 AWG (18/38) • 0.14 mm<sup>2</sup></b>					<b>▶ 24 AWG (32/38) • 0.25 mm<sup>2</sup></b>					<b>▶ 22 AWG (42/38) • 0.34 mm<sup>2</sup></b>				
07852602	2	0.173	4.4	17	07852402	2	0.181	4.6	19	07852202	2	0.197	5.0	22
07852603	3	0.181	4.6	19	07852403	3	0.201	5.1	24	07852203	3	0.209	5.3	26
07852604	4	0.201	5.1	23	07852404	4	0.213	5.4	28	07852204	4	0.224	5.7	31
07852605	5	0.217	5.5	28	07852405	5	0.240	6.1	35	07852205	5	0.248	6.3	39
07852607	7	0.248	6.3	37	07852407	7	0.276	7.0	45	07852207	7	0.287	7.3	48
07852610	10	0.291	7.4	44	07852410	10	0.315	8.0	55	07852210	10	0.343	8.7	68
07852614	14	0.315	8.0	54	07852414	14	0.358	9.1	75	07852214	14	0.374	9.5	85
07852618	18	0.362	9.2	73	07852418	18	0.394	10.0	91	07852218	18	0.421	10.7	113
07852625	25	0.433	11.0	102	07852425	25	0.488	12.4	134	07852225	25	0.508	12.9	153

Other dimensions and colors are possible on request.

