

# Continuous Flex

## SD 960 CP

Continuous flex shielded polyurethane data cable for small bending radius



Marking for SD 960 CP 7862625:

SAB BRÖCKSKES · D-VIERSEN · 7862501 25 x 0.14 mm<sup>2</sup> SD 960 CP 26 AWG/25c 7862625 AWM Style 20233 80°C 300V CSA AWM VII A/B 80°C 300V FT1 FT2

### Construction:

<b>Conductor:</b>	bare copper strands, extra fine wires
<b>Insulation:</b>	PVC, T12 acc. to EN 50363-3 + VDE 0207-363-3
<b>Color code:</b>	acc. to color code US 2, see page O/27
<b>Stranding:</b>	specially adjusted layering with non-woven tape over each layer
<b>Wrapping:</b>	non-woven tape
<b>Shielding:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	PU acc. to UL 758 with matte surface
<b>Jacket color:</b>	grayish tan (RAL 7032)

### Outstanding features:



- very good EMC characteristics
- high abrasion resistance
- very good flexibility

### Technical data:

<b>Peak operating voltage:</b>	max. 350 V	
<b>Voltage UL/CSA:</b>	300 V	
<b>Testing voltage:</b>	conductor/conductor: 1500 V conductor/shielding: 1200 V	
<b>Min. bending radius:</b> <i>continuously flexing:</i>	7.5 x O.D.	
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range:</b> <i>static:</i> <i>flexing:</i>	<b>DIN VDE</b> -30/+70°C	<b>UL/CSA:</b> up to +80°C
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to UL FT1, CSA FT1, FT2	
<b>Oil resistance:</b>	very good- oil rating 60°C acc. to UL 758	
<b>Chemical resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids, etc.	
<b>Approvals:</b>	UR AWM, CSA AWM, CE, EAC, RoHS	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30	

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item no.	no. of conductors incl. ground	nominal outer-ø		cable weight
		inch	mm	≈lbs/mft
<b>▶ 26 AWG (≈ 18/38) ▪ 0.14 mm<sup>2</sup></b>				
7862602	2	0.197	5.0	21
7862603	3	0.205	5.2	22
7862604	4	0.220	5.6	26
7862605	5	0.236	6.0	30
7862607	7	0.268	6.8	38
7862610	10	0.303	7.7	46
7862614	14	0.350	8.9	59
7862618	18	0.358	9.1	69
7862625	25	0.441	11.2	99

item no.	no. of conductors incl. ground	nominal outer-ø		cable weight
		inch	mm	≈lbs/mft
<b>▶ 24 AWG (≈ 32/38) ▪ 0.25 mm<sup>2</sup></b>				
7862402	2	0.209	5.3	22
7862403	3	0.220	5.6	26
7862404	4	0.232	5.9	30
7862405	5	0.252	6.4	36
7862407	7	0.319	8.1	54
7862410	10	0.354	9.0	60
7862414	14	0.378	9.6	75
7862418	18	0.386	9.8	87
7862425	25	0.476	12.1	126

item no.	no. of conductors incl. ground	nominal outer-ø		cable weight
		inch	mm	≈lbs/mft
<b>▶ 22 AWG (≈ 42/38) ▪ 0.34 mm<sup>2</sup></b>				
7862202	2	0.217	5.5	24
7862203	3	0.228	5.8	28
7862204	4	0.244	6.2	34
7862205	5	0.260	6.6	40
7862207	7	0.299	7.6	49
7862210	10	0.370	9.4	82
7862214	14	0.394	10.0	103
7862218	18	0.413	10.5	108
7862225	25	0.500	12.7	144

Other dimensions and colors are available on request



### Possible on request:

- 20 AWG or 19 AWG
- with orange jacket and colored conductors acc. to DIN 47100