

## SD 980 CP

High speed continuous flex heavy duty shielded halogen-free polyurethane data cable



Marking for SD 980 CP 77842625:

SAB BRÖCKSKES · D-VIERSEN · 77842501 25 x 0.14 mm<sup>2</sup> SD 980 CP 26 AWG/25c 77842625 AWM Style 21198 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

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### Construction:

<b>Conductor:</b>	bare copper strands, extra fine wires
<b>Insulation:</b>	TPE
<b>Color code:</b>	DIN 47100, see page O/26
<b>Stranding:</b>	specially adjusted layering with non-woven tape over each layer
<b>Shielding:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with matte surface
<b>Jacket color:</b>	grayish tan (RAL 7032)

### Outstanding features:

- free from paint wetting impairment substances (PWIS-free)
- flexible at low temperatures
- halogen-free
- travel > 10 m is possible
- good EMC characteristics
- high abrasion resistance

### Technical data:

<b>Peak operating voltage:</b>	max. 350 V
<b>Voltage UL/CSA:</b>	300 V
<b>Testing voltage:</b>	conductor/conductor: 2000 V conductor/shielding: 2000V
<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> <b>UL/CSA:</b> up to +80°C -50/+90°C -40/+90°C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, CSA FT1 (acc. to dimension), FT2
<b>Oil resistance:</b>	very good - TPU acc. to IEC 50363-10-2 + VDE 0207-363-10-2
<b>Chemical resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids, etc.
<b>Continuous flexibility:</b>	very good
<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

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
► 26 AWG (≈ 18/38) ▪ 0.14 mm <sup>2</sup>				
77842603	3	0.165	4.2	16
77842604	4	0.177	4.5	18
77842605	5	0.193	4.9	22
77842607	7	0.209	5.3	26
77842610	10	0.236	6.0	32
77842614	14	0.252	6.4	37
77842618	18	0.276	7.0	46
77842625	25	0.315	8.0	59

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
► 24 AWG (≈ 32/38) ▪ 0.25 mm <sup>2</sup>				
77842403	3	0.181	4.6	19
77842404	4	0.189	4.8	22
77842405	5	0.205	5.2	27
77842407	7	0.228	5.8	32
77842410	10	0.260	6.6	41
77842414	14	0.276	7.0	51
77842418	18	0.307	7.8	61
77842425	25	0.354	9.0	81

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
► 22 AWG (≈ 42/38) ▪ 0.34 mm <sup>2</sup>				
77842203	3	0.189	4.8	22
77842204	4	0.201	5.1	26
77842205	5	0.220	5.6	30
77842207	7	0.244	6.2	37
77842210	10	0.276	7.0	48
77842214	14	0.295	7.5	60
77842218	18	0.323	8.2	73
77842225	25	0.378	9.6	95

Other dimensions and colors are available on request



### Possible on request:

- with colored conductors acc. to US 2
- 20 AWG & 19 AWG