



## SD 980 CP Continuously flexible TPE/PUR data cable with coloured cores and overall copper screen



Marking for SD 980 CP 77842501:  
 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

### Construction:

<b>Conductor:</b>	bare copper strands, extra fine wires
<b>Insulation:</b>	TPE
<b>Colour code:</b>	with reference to DIN 47100
<b>Stranding:</b>	specially adjusted layering with non-woven tape over each layer
<b>Screen:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Sheath material:</b>	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
<b>Sheath colour:</b>	grey (RAL 7032)

### Technical data:

<b>Peak operating voltage:</b>	DIN VDE: max. 350 V UL/CSA: 300 V	
<b>Testing voltage U:</b>	1500 V acc. to DIN VDE 0472 part 509 core/screen 1200 V	
<b>Min. bending radius</b> <i>continuously flexible:</i>	7,5 x d	
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range</b> <i>fixed laying:</i> <i>flexible application:</i>	DIN VDE -50/+90°C	UL/CSA: up to +80°C -40/+90°C
<b>Halogen-free:</b>	acc. to DIN VDE 0472 part 815 + IEC 60754-1	
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1, CSA FT1 + FT2	
<b>Oil resistance:</b>	very good - TMPU acc. to DIN VDE 0282 part 10 + HD 22.10	
<b>Chem. resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.	
<b>Continuous flexibility:</b>	very good	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/17	

### Outstanding features:

- **labs uncritical**  
(labs = enamel moisturing interfering substances)
- **flexible at low temperatures**
- **halogen-free**
- **travel > 10 m is possible**
- **good EMC characteristics**
- **high abrasion resistance**
- **EAC approval**

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km	item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
77840301	3 x 0,14	0,11	4,2	14,3	24	77841002	10 x 0,25	0,11	6,6	41,7	61
77840401	4 x 0,14	0,11	4,5	15,7	27	77841402	14 x 0,25	0,11	7,0	53,2	76
77840501	5 x 0,14	0,11	4,9	20,6	33	77841802	18 x 0,25	0,11	7,8	64,7	91
77840701	7 x 0,14	0,11	5,3	23,4	38	77842502	25 x 0,25	0,11	9,0	86,3	120
77841001	10 x 0,14	0,11	6,0	29,4	47	77840303	3 x 0,34	0,11	4,8	20,2	32
77841401	14 x 0,14	0,11	6,4	34,9	55	77840403	4 x 0,34	0,11	5,1	26,9	39
77841801	18 x 0,14	0,11	7,0	43,8	68	77840503	5 x 0,34	0,11	5,6	30,4	44
77842501	25 x 0,14	0,11	8,0	57,3	88	77840703	7 x 0,34	0,11	6,2	38,9	55
77840302	3 x 0,25	0,11	4,6	17,6	29	77841003	10 x 0,34	0,11	7,0	52,2	72
77840402	4 x 0,25	0,11	4,8	20,0	32	77841403	14 x 0,34	0,11	7,5	67,0	89
77840502	5 x 0,25	0,11	5,2	25,9	40	77841803	18 x 0,34	0,11	8,2	82,5	108
77840702	7 x 0,25	0,11	5,8	30,9	47	77842503	25 x 0,34	0,11	9,6	110,7	142

Other dimensions and colours are possible on request.



### Possible on request!

- **in dimensions**  
0,50 mm<sup>2</sup> and 0,75 mm<sup>2</sup>
- **with coloured cores**  
acc. to colour code US 2