

also available with color code acc. to US 2

# CONTINUOUS FLEX CABLES



## SD 980 P High speed continuous flex heavy duty halogen free polyurethane data cable



Marking for SD 980 P 77742501: SAB BRÖCKSKES · D-VIERSEN · 77742501 25 x 0,14 mm<sup>2</sup> SD 980 P 26 AWG/25c 77742625

AWM Style 21198 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2 CE

SD 980 P is a continuous flex multi-conductor 80°C, 300 V cable designed specifically for the most stressful ultra high speed applications requiring a very small bending radius. The unique design allows this cable to excel in applications where ordinary flexing cables fail. The halogen free polyurethane jacket cable with colored conductors passes the stringent VDE test part 10 and HD 22.10 oil test and provides excellent resistance to chemicals and abrasion.

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### Construction:

<b>Conductor:</b>	bare copper strands, extra fine wires
<b>Insulation:</b>	TPE
<b>Color code:</b>	with reference to DIN 47100
<b>Stranding:</b>	specialy adjusted layering with netting tape over each layer and one additional non-woven tape over the outer layer
<b>Jacket material:</b>	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
<b>Jacket color:</b>	gray

### Outstanding features:

- halogen-free
- labs uncritical  
(labs = enamel moisturing interfering substances)
- flexible at low temperatures
- travel > 10 m is possible
- high abrasion resistance
- min. bending radius

### Technical data:

<b>Peak operating voltage:</b>	<b>DIN VDE:</b> max. 350 V <b>UL/CSA:</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>	5 x 10 <sup>7</sup> cJ/kg
<b>Temperature range static flexing:</b>	<b>DIN VDE</b> <b>UL/CSA:</b> up to +80°C -50/+90°C -40/+90°C
<b>Zero halogen:</b>	acc. to DIN VDE 0472 part 815 and IEC 60754-1
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1, CSA FT1 (acc. to dimension) and 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-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25

item no.	no. of conductors	nominal outer-ø inch	mm	cable weight ≈ lbs/mft	item no.	no. of conductors	nominal outer-ø inch	mm	cable weight ≈ lbs/mft	item no.	no. of conductors	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
▶ 26 AWG (18/38) • 0.14 mm <sup>2</sup>					▶ 24 AWG (32/38) • 0.25 mm <sup>2</sup>					▶ 22 AWG (42/38) • 0.34 mm <sup>2</sup>				
77742603	3	0.150	3.8	11	77742403	3	0.165	4.2	14	77742203	3	0.173	4.4	16
77742604	4	0.161	4.1	13	77742404	4	0.173	4.4	17	77742204	4	0.185	4.7	19
77742605	5	0.177	4.5	15	77742405	5	0.189	4.8	20	77742205	5	0.205	5.2	24
77742607	7	0.193	4.9	19	77742407	7	0.213	5.4	25	77742207	7	0.228	5.8	30
77742610	10	0.220	5.6	24	77742410	10	0.244	6.2	33	77742210	10	0.260	6.6	40
77742614	14	0.236	6.0	30	77742414	14	0.260	6.6	42	77742214	14	0.280	7.1	50
77742618	18	0.260	6.6	36	77742418	18	0.287	7.3	52	77742218	18	0.307	7.8	62
77742625	25	0.299	7.6	48	77742425	25	0.339	8.6	69	77742225	25	0.362	9.2	83

Other dimensions and colors are possible on request.

