

also available with black and red conductors and orange jacket

# CONTINUOUS FLEX CABLES



## S 960 P blue Very flexible continuous flex polyurethane control cable for small bending radius with blue conductors

Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE



Marking for S 960 P blue 37211607: SAB BRÖCKSKES · D-VIERSEN ·

37210715 7 x 1,5 mm<sup>2</sup> S 960 P blue 16 AWG/7c 37211607 AWM Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

S 960 P blue is a very flexible multi-conductor 80°C, 600 V cable designed for continuous flex applications. The specially PUR jacket passes not only the stringent VDE test 0282 part 10 and HD 22.10 oil test providing the best oil resistance, but it also provides excellent chemical and abrasion resistance. The S 960 P blue 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 in harsh environments.

B  
20

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
<b>Insulation:</b>	PVC, TI2 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Color code:</b>	blue conductors with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 conductors
<b>Stranding:</b>	specially adjusted layering with non-woven tape over each layer
<b>Jacket material:</b>	PU acc. to UL 758 with mat surface
<b>Jacket color:</b>	gray

### Outstanding features:

- ▶ very good oil resistant
- ▶ very good chemical resistance
- ▶ high abrasion resistance
- ▶ very good flexibility

### Technical data:

<b>Nominal voltage:</b>	<b>DIN VDE:</b> U <sub>0</sub> /U 300/500 V <b>UL/CSA:</b> 600 V
<b>Testing voltage U:</b>	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2
<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> -40/+70°C <b>UL/CSA:</b> up to +80°C +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, CSA FT1 and FT2
<b>Oil resistance:</b>	very good - oil rating 60°C acc. to UL 758
<b>Chem. resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/28

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft	item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 20 AWG (≈ 28/34) • 0.50 mm<sup>2</sup></b>					<b>▶ 18 AWG (≈ 56/34) • 1.00 mm<sup>2</sup></b>					<b>▶ 12 AWG (≈ 224/34) • 4.00 mm<sup>2</sup></b>				
37212002	2	0.252	6.4	31	37211812	12	0.461	11.7	136	37211203	3	0.465	11.8	139
37212003	3	0.264	6.7	36	37211818	18	0.535	13.6	200	37211204	4	0.469	11.9	165
37212004	4	0.280	7.1	42	37211825	25	0.646	16.4	263	37211205	5	0.516	13.1	200
37212005	5	0.303	7.7	52	37211834	34	0.709	18.0	350	37211207	7	0.654	16.6	278
37212007	7	0.346	8.8	70	37211850	50	0.878	22.3	527	<b>▶ 10 AWG (≈ 186/32) • 6.00 mm<sup>2</sup></b>				
37212012	12	0.413	10.5	97	37211861	61	0.961	24.4	648	37211003	3	0.528	13.4	203
37212018	18	0.472	12.0	134	<b>▶ 16 AWG (≈ 84/34) • 1.50 mm<sup>2</sup></b>					37211004	4	0.571	14.5	247
37212025	25	0.563	14.3	180	37211602	2	0.299	7.6	50	37211005	5	0.630	16.0	307
37212034	34	0.598	15.2	235	37211603	3	0.315	8.0	60	<b>▶ 8 AWG (≈ 320/32) • 10.00 mm<sup>2</sup></b>				
37212050	50	0.728	18.5	245	37211604	4	0.339	8.6	73	37210804	4	0.705	17.9	403
37212061	61	0.787	20.0	298	37211605	5	0.366	9.3	90	37210805	5	0.776	19.7	503
<b>▶ 19 AWG (≈ 42/34) • 0.75 mm<sup>2</sup></b>					37211607	7	0.425	10.8	124	<b>▶ 6 AWG (≈ 504/32) • 16.00 mm<sup>2</sup></b>				
37211902	2	0.268	6.8	37	37211612	12	0.508	12.9	181	37210604	4	0.823	20.9	575
37211903	3	0.280	7.1	42	37211618	18	0.594	15.1	263	37210605	5	0.953	24.2	734
37211904	4	0.299	7.6	50	37211625	25	0.720	18.3	355	<b>▶ 4 AWG (≈ 760/32) • 25.00 mm<sup>2</sup></b>				
37211905	5	0.323	8.2	60	37211634	34	0.803	20.4	467	37210404	4	1.020	25.9	892
37211907	7	0.374	9.5	81	37211650	50	0.976	24.8	710	37210405	5	1.122	28.5	1089
37211912	12	0.445	11.3	115	37211665	61	1.091	27.7	862	<b>▶ 2 AWG (≈ 1083/32) • 35.00 mm<sup>2</sup></b>				
37211918	18	0.516	13.1	161	<b>▶ 14 AWG (≈ 140/34) • 2.50 mm<sup>2</sup></b>					37210204	4	1.150	29.2	1165
37211925	25	0.622	15.8	221	37211402	2	0.362	9.2	74	37210205	5	1.272	32.3	1420
37211934	34	0.689	17.5	225	37211403	3	0.382	9.7	91	<b>▶ 1 AWG (≈ 703/28) • 50.00 mm<sup>2</sup></b>				
37211950	50	0.787	20.0	401	37211404	4	0.413	10.5	113	37210104	4	1.350	34.3	1659
37211961	61	0.925	23.5	525	37211405	5	0.453	11.5	136	Other dimensions and colors are possible on request.				
<b>▶ 18 AWG (≈ 56/34) • 1.00 mm<sup>2</sup></b>					37211407	7	0.531	13.5	181					
37211802	2	0.276	7.0	41	37211412	12	0.654	16.6	293					
37211803	3	0.287	7.3	47	37211418	18	0.783	19.9	428					
37211804	4	0.311	7.9	57	37211425	25	1.000	25.4	620					
37211805	5	0.335	8.5	69										
37211807	7	0.386	9.8	88										

E-mail: [info@sabcable.com](mailto:info@sabcable.com)



Web site: [www.sabcable.com](http://www.sabcable.com)