

# Continuous Flex

## S 960 P

Continuous flex polyurethane control cable for small bending radius



Marking for S 960 P 7761607:

SAB BRÖCKSKES · D-VIERSEN · 7760715 7 x 1.5 mm<sup>2</sup> S 960 P 16 AWG/7c 7761607 AWM Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

B  
20

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 6
<b>Insulation:</b>	PVC, Tl2 acc. to EN 50363-3 + VDE 0207-363-3
<b>Color code:</b>	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground 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 matte surface
<b>Jacket color:</b>	gray (RAL 7000)

### Outstanding features:

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

### Technical data:

<b>Nominal voltage:</b>	Uo/U 300/500 V	
<b>Voltage UL/CSA:</b>	600 V	
<b>Testing voltage:</b>	conductor/conductor: 2000 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> -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 + VDE 0482-332-1-2, UL VW-1, 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	

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>				
7762002	2	0.252	6.4	31
7762003	3	0.264	6.7	36
7762004	4	0.280	7.1	42
7762005	5	0.303	7.7	52
7762007	7	0.346	8.8	70
7762012	12	0.413	10.5	97
7762018	18	0.472	12.0	134
7762025	25	0.563	14.3	180
7762034	34	0.598	15.2	234
7762050	50	0.728	18.5	245
7762061	61	0.787	20.0	298
<b>▶ 19 AWG (≈ 42/34) ▪ 0.75 mm<sup>2</sup></b>				
7761902	2	0.268	6.8	37
7761903	3	0.280	7.1	42
7761904	4	0.299	7.6	50
7761905	5	0.323	8.2	60
7761907	7	0.374	9.5	81
7761912	12	0.445	11.3	115
7761918	18	0.516	13.1	161
7761925	25	0.622	15.8	221
7761934	34	0.689	17.5	225
7761950	50	0.787	20.0	400
7761961	61	0.925	23.5	525
<b>▶ 18 AWG (≈ 56/34) ▪ 1.00 mm<sup>2</sup></b>				
7761802	2	0.276	7.0	41
7761803	3	0.287	7.3	47
7761804	4	0.311	7.9	57
7761805	5	0.335	8.5	69
7761807	7	0.386	9.8	88
7761812	12	0.461	11.7	136
7761818	18	0.535	13.6	200
7761825	25	0.646	16.4	263
7761834	34	0.709	18.0	350
7761850	50	0.878	22.3	527
7761861	61	0.961	24.4	648

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 16 AWG (≈ 84/34) ▪ 1.50 mm<sup>2</sup></b>				
7761602	2	0.299	7.6	50
7761603	3	0.315	8.0	60
7761604	4	0.339	8.6	73
7761605	5	0.366	9.3	90
7761607	7	0.425	10.8	124
7761612	12	0.508	12.9	181
7761618	18	0.594	15.1	263
7761625	25	0.720	18.3	355
7761634	34	0.803	20.4	467
7761650	50	0.976	24.8	710
7761661	61	1.091	27.7	861
<b>▶ 14 AWG (≈ 140/34) ▪ 2.50 mm<sup>2</sup></b>				
7761402	2	0.362	9.2	74
7761403	3	0.382	9.7	91
7761404	4	0.413	10.5	113
7761405	5	0.453	11.5	136
7761407	7	0.531	13.5	181
7761412	12	0.654	16.6	293
7761418	18	0.783	19.9	428
7761425	25	1.00	25.4	619
<b>▶ 12 AWG (≈ 224/34) ▪ 4.00 mm<sup>2</sup></b>				
7761203	3	0.465	11.8	139
7761204	4	0.469	11.9	165
7761205	5	0.516	13.1	200
7761207	7	0.654	16.6	277
<b>▶ 10 AWG (≈ 186/32) ▪ 6.00 mm<sup>2</sup></b>				
7761003	3	0.528	13.4	203
7761004	4	0.571	14.5	247
7761005	5	0.630	16.0	307
<b>▶ 8 AWG (≈ 320/32) ▪ 10.00 mm<sup>2</sup></b>				
7760804	4	0.705	17.9	403
7760805	5	0.776	19.7	503

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>▶ 6 AWG (≈ 504/32) ▪ 16.00 mm<sup>2</sup></b>				
7760604	4	0.823	20.9	575
7760605	5	0.953	24.2	734
<b>▶ 4 AWG (≈ 760/32) ▪ 25.00 mm<sup>2</sup></b>				
7760404	4	1.020	25.9	892
7760405	5	1.122	28.5	1088
<b>▶ 2 AWG (≈ 1083/32) ▪ 35.00 mm<sup>2</sup></b>				
7760204	4	1.150	29.2	1164
7760205	5	1.272	32.3	1420
<b>▶ 1 AWG (≈ 703/28) ▪ 50.00 mm<sup>2</sup></b>				
7760104	4	1.350	34.3	1659

Other dimensions and colors are available on request



also available with orange jacket and blue or red conductors