

# Continuous Flex

## S 960

Continuous flex control cable for small bending radius with black conductors



87 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE



Marking for S 960 7521612:

SAB BRÖCKSKES · D-VIERSEN · 7521215 12 x 1.5 mm<sup>2</sup> S 960 16 AWG/12c 7521612 AWM Style 2587 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE

### 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>	PVC, TM2 acc. to EN 50363-3 + VDE 0207-363-3
<b>Jacket color:</b>	black (RAL 9005)

### Outstanding features:



- very good flexibility
- small bending radius
- reinforced outer jacket
- UV resistant jacket

### 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>	8 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 +90°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>	acc. to our internal standard, see page O/29	
<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	

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item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
<b>▶ 20 AWG (≈ 28/34) ▪ 0.50 mm<sup>2</sup></b>				
7522002	2	0.217	5.5	27
7522003	3	0.228	5.8	32
7522004	4	0.248	6.3	38
7522005	5	0.276	7.0	48
7522007	7	0.323	8.2	66
7522012	12	0.398	10.1	97
7522018	18	0.472	12.0	142
7522025	25	0.567	14.4	191
7522034	34	0.638	16.2	254
7522050	50	0.752	19.1	351
7522061	61	0.831	21.1	440
<b>▶ 19 AWG (≈ 42/34) ▪ 0.75 mm<sup>2</sup></b>				
7521902	2	0.232	5.9	32
7521903	3	0.248	6.3	38
7521904	4	0.268	6.8	46
7521905	5	0.295	7.5	5
7521907	7	0.358	9.1	82
7521912	12	0.433	11.0	119
7521918	18	0.516	13.1	175
7521925	25	0.622	15.8	238
7521934	34	0.705	17.9	318
7521950	50	0.831	21.1	450
7521961	61	0.925	23.5	558
<b>▶ 18 AWG (≈ 56/34) ▪ 1.00 mm<sup>2</sup></b>				
7521802	2	0.244	6.2	37
7521803	3	0.256	6.5	44
7521804	4	0.283	7.2	55
7521805	5	0.311	7.9	68
7521807	7	0.370	9.4	95
7521809	9	0.445	11.3	136
7521812	12	0.453	11.5	142
7521815	15	0.516	13.1	187
7521818	18	0.539	13.7	210

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
<b>▶ 18 AWG (≈ 56/34) ▪ 1.00 mm<sup>2</sup></b>				
7521825	25	0.650	16.5	285
7521834	34	0.736	18.7	382
7521850	50	0.886	22.5	555
7521861	61	0.965	24.5	671
<b>▶ 16 AWG (≈ 84/34) ▪ 1.50 mm<sup>2</sup></b>				
7521602	2	0.268	6.8	47
7521603	3	0.287	7.3	59
7521604	4	0.315	8.0	73
7521605	5	0.346	8.8	91
7521607	7	0.417	10.6	129
7521609	9	0.496	12.6	179
7521612	12	0.512	13.0	194
7521618	18	0.606	15.4	286
7521625	25	0.736	18.7	390
7521634	34	0.831	21.1	522
7521650	50	0.988	25.1	749
7521661	61	1.087	27.6	915
<b>▶ 14 AWG (≈ 140/34) ▪ 2.50 mm<sup>2</sup></b>				
7521402	2	0.35	8.9	79
7521403	3	0.374	9.5	97
7521404	4	0.409	10.4	120
7521405	5	0.457	11.6	150
7521407	7	0.551	14.0	214
7521412	12	0.681	17.3	323
7521418	18	0.815	20.7	480
7521425	25	0.988	25.1	654
<b>▶ 12 AWG (≈ 224/34) ▪ 4.00 mm<sup>2</sup></b>				
7521203	3	0.445	11.3	150
7521204	4	0.488	12.4	179
7521205	5	0.543	13.8	230
7521207	7	0.657	16.7	331

item no.	no. of conductors incl. ground	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
<b>▶ 10 AWG (≈ 186/32) ▪ 6.00 mm<sup>2</sup></b>				
7521003	3	0.516	13.1	214
7521004	4	0.571	14.5	256
7521005	5	0.638	16.2	329
7521007	7	0.764	19.4	470
<b>▶ 8 AWG (≈ 320/32) ▪ 10.00 mm<sup>2</sup></b>				
7520803	3	0.638	16.2	337
7520804	4	0.709	18.0	428
7520805	5	0.791	20.1	529
<b>▶ 6 AWG (≈ 504/32) ▪ 16.00 mm<sup>2</sup></b>				
7520603	3	0.764	19.4	507
7520604	4	0.846	21.5	641
7520605	5	0.949	24.1	798
<b>▶ 4 AWG (≈ 760/32) ▪ 25.00 mm<sup>2</sup></b>				
7520404	4	1.024	26.0	935
7520405	5	1.142	29.0	1195
<b>▶ 2 AWG (≈ 1083/32) ▪ 35.00 mm<sup>2</sup></b>				
7520204	4	1.173	29.8	1284
7520205	5	1.295	32.9	1582
<b>▶ 1 AWG (≈ 703/28) ▪ 50.00 mm<sup>2</sup></b>				
7520104	4	1.374	34.9	1795

Other dimensions and colors are available on request



also available with gray jacket and blue or red conductors