



# CONTINUOUS FLEX CABLES

also available with black and red conductors and gray jacket



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



2587 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2

Marking for S 960 blue 07511612: SAB BRÖCKSKES · D-VIERSEN · 07511215 12 x 1,5 mm<sup>2</sup> S 960 blue 16 AWG/12c 07511612 AWM Style 2587 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE

S 960 blue is a very flexible multi-conductor 90°C, 600 V cable designed for continuous flex applications. The S 960 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.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
<b>Insulation:</b>	PVC, T12 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>	PVC TM2 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Jacket color:</b>	black

### 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>	8 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 +90°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>	acc. to our internal standard see page N/25
<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

### Outstanding features:

- good flexibility
- small bending radius
- reinforced outer jacket

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 20 AWG (33/34) • 0.50 mm<sup>2</sup></b>				
07512002	2	0.217	5.5	27
07512003	3	0.228	5.8	32
07512004	4	0.248	6.3	38
07512005	5	0.276	7.0	48
07512007	7	0.323	8.2	66
07512012	12	0.398	10.1	97
07512018	18	0.472	12.0	142
07512025	25	0.567	14.4	191
07512034	34	0.638	16.2	254
07512050	50	0.752	19.1	351
07512061	61	0.831	21.1	440
<b>▶ 19 AWG (42/34) • 0.75 mm<sup>2</sup></b>				
07511902	2	0.232	5.9	32
07511903	3	0.248	6.3	38
07511904	4	0.268	6.8	46
07511905	5	0.295	7.5	57
07511907	7	0.358	9.1	82
07511912	12	0.433	11.0	119
07511918	18	0.516	13.1	175
07511925	25	0.622	15.8	238
07511934	34	0.705	17.9	319
07511950	50	0.831	21.1	450
07511961	61	0.925	23.5	558
<b>▶ 18 AWG (56/34) • 1.00 mm<sup>2</sup></b>				
07511802	2	0.244	6.2	37
07511803	3	0.256	6.5	44
07511804	4	0.283	7.2	55
07511805	5	0.311	7.9	68
07511807	7	0.370	9.4	95

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 18 AWG (56/34) • 1.00 mm<sup>2</sup></b>				
07511812	12	0.453	11.5	142
07511818	18	0.539	13.7	210
07511825	25	0.650	16.5	285
07511834	34	0.736	18.7	382
07511850	50	0.886	22.5	555
07511861	61	0.965	24.5	671
<b>▶ 16 AWG (84/34) • 1.50 mm<sup>2</sup></b>				
07511602	2	0.268	6.8	47
07511603	3	0.287	7.3	59
07511604	4	0.315	8.0	73
07511605	5	0.346	8.8	91
07511607	7	0.417	10.6	129
07511612	12	0.512	13.0	194
07511618	18	0.606	15.4	286
07511625	25	0.736	18.7	390
07511634	34	0.831	21.1	522
07511650	50	0.988	25.1	749
07511661	61	1.087	27.6	915
<b>▶ 14 AWG (140/34) • 2.50 mm<sup>2</sup></b>				
07511402	2	0.350	8.9	79
07511403	3	0.374	9.5	97
07511404	4	0.409	10.4	120
07511405	5	0.457	11.6	150
07511407	7	0.551	14.0	214
07511412	12	0.681	17.3	323
07511418	18	0.815	20.7	480
07511425	25	0.988	25.1	654

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
<b>▶ 12 AWG (224/34) • 4.00 mm<sup>2</sup></b>				
07511203	3	0.445	11.3	150
07511204	4	0.488	12.4	179
07511205	5	0.543	13.8	230
07511207	7	0.657	16.7	331
<b>▶ 10 AWG (192/32) • 6.00 mm<sup>2</sup></b>				
07511003	3	0.516	13.1	214
07511004	4	0.571	14.5	256
07511005	5	0.638	16.2	329
07511007	7	0.764	19.4	470
<b>▶ 8 AWG (320/32) • 10.00 mm<sup>2</sup></b>				
07510803	3	0.638	16.2	337
07510804	4	0.709	18.0	428
07510805	5	0.791	20.1	529
<b>▶ 6 AWG (512/32) • 16.00 mm<sup>2</sup></b>				
07510603	3	0.764	19.4	507
07510604	4	0.846	21.5	641
07510605	5	0.949	24.1	798
<b>▶ 4 AWG (798/32) • 25.00 mm<sup>2</sup></b>				
07510404	4	1.024	26.0	935
07510405	5	1.142	29.0	1195
<b>▶ 2 AWG (1102/32) • 35.00 mm<sup>2</sup></b>				
07510204	4	1.173	29.8	1284
07510205	5	1.295	32.9	1582
<b>▶ 1 AWG (703/28) • 50.00 mm<sup>2</sup></b>				
07510104	4	1.374	34.9	1796

Other dimensions and colors are possible on request.

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