

# CONTINUOUS FLEX CABLES



## S 950 Continuous flex cable for moderate flexing applications



Marking for S 950 37301615: SAB BRÖCKSKES · D-VIERSEN ·

37301215 12 x 1,5 mm<sup>2</sup> S 950 16 AWG/15c 37301615 AWM Style 21047 75°C 600V CSA AWM I/II A/B 75°C 600V FT1 FT2 CE

S 950 has been designed for use in cable tracks, automatic handling equipment and machine components in constant operation. The special cable design makes S 950 ideally suited for a wide range of moderate flexing operations.

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### 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>	black 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, reinforced wall thickness
<b>Jacket color:</b>	gray

### Outstanding features:

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

### 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</b> <i>continuous 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> <b>UL/CSA:</b> up to +75°C -40/+70°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>Chem. resistance:</b>	see page N/9
<b>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 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 (33/34) • 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>				
37302002	2	0.209	5.3	23	37301825	25	0.657	16.7	287	37301202	2	0.390	9.9	109
37302003	3	0.220	5.6	30	37301836	36	0.740	18.8	405	37301203	3	0.425	10.8	138
37302004	4	0.244	6.2	37	37301844	44	0.843	21.4	486	37301204	4	0.461	11.7	169
37302005	5	0.268	6.8	45	37301852	52	0.886	22.5	566	37301205	5	0.516	13.1	220
37302007	7	0.315	8.0	62	37301865	65	1.000	25.4	716	37301207	7	0.650	16.5	329
37302012	12	0.390	9.9	91	<b>▶ 16 AWG (84/34) • 1.50 mm<sup>2</sup></b>					<b>▶ 10 AWG (192/32) • 6.00 mm<sup>2</sup></b>				
37302018	18	0.457	11.6	134	37301602	2	0.268	6.8	45	37301002	2	0.484	12.3	158
37302025	25	0.559	14.2	179	37301603	3	0.283	7.2	59	37301003	3	0.512	13.0	202
37302036	36	0.626	15.9	251	37301604	4	0.315	8.0	74	37301004	4	0.567	14.4	254
37302044	44	0.717	18.2	303	37301605	5	0.343	8.7	91	37301005	5	0.634	16.1	331
37302052	52	0.744	18.9	345	37301607	7	0.417	10.6	130	37301007	7	0.768	19.5	472
37302065	65	0.846	21.5	441	37301612	12	0.512	13.0	194	<b>▶ 8 AWG (320/32) • 10.00 mm<sup>2</sup></b>				
<b>▶ 19 AWG (42/34) • 0.75 mm<sup>2</sup></b>					37301618	18	0.610	15.5	290	37300804	4	0.681	17.3	397
37301902	2	0.228	5.8	29	37301625	25	0.740	18.8	390	37300805	5	0.768	19.5	521
37301903	3	0.248	6.3	40	37301636	36	0.839	21.3	551	<b>▶ 6 AWG (512/32) • 16.00 mm<sup>2</sup></b>				
37301904	4	0.268	6.8	47	37301644	44	0.953	24.2	668	37300604	4	0.823	20.9	602
37301905	5	0.299	7.6	60	37301652	52	1.000	25.4	777	37300605	5	0.925	23.5	786
37301907	7	0.358	9.1	83	37301665	65	1.130	28.7	967	<b>▶ 4 AWG (798/32) • 25.00 mm<sup>2</sup></b>				
37301912	12	0.437	11.1	120	<b>▶ 14 AWG (140/34) • 2.50 mm<sup>2</sup></b>					37300404	4	0.972	24.7	888
37301918	18	0.516	13.1	182	37301402	2	0.346	8.8	73	37300405	5	1.098	27.9	1159
37301925	25	0.626	15.9	237	37301403	3	0.374	9.5	99	<b>▶ 2 AWG (1102/32) • 35.00 mm<sup>2</sup></b>				
37301936	36	0.713	18.1	343	37301404	4	0.406	10.3	120	37300204	4	1.130	28.7	1198
37301944	44	0.803	20.4	401	37301405	5	0.453	11.5	151	37300205	5	1.268	32.2	1564
37301952	52	0.843	21.4	466	37301407	7	0.551	14.0	217	<b>▶ 1 AWG (703/28) • 50.00 mm<sup>2</sup></b>				
37301965	65	0.957	24.3	595	37301412	12	0.681	17.3	323	37300104	4	1.358	34.5	1724
<b>▶ 18 AWG (56/34) • 1.00 mm<sup>2</sup></b>					37301418	18	0.819	20.8	470	37300105	5	1.524	38.7	2236
37301802	2	0.244	6.2	36	37301425	25	0.996	25.3	659	Other dimensions and colors are possible on request.				
37301803	3	0.256	6.5	45	37301427	27	0.996	25.3	698					
37301804	4	0.280	7.1	55	37301430	30	1.028	26.1	763					
37301805	5	0.311	7.9	69	37301436	36	1.126	28.6	906					
37301807	7	0.370	9.4	97	37301444	44	1.268	32.2	1107					
37301812	12	0.453	11.5	142	37301452	52	1.319	33.5	1276					
37301818	18	0.543	13.8	218	37301465	65	1.484	37.7	1589					

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