

also available  
with green-yellow  
insulation and  
gray jacket

# CONTINUOUS FLEX CABLES



## S 900 P Continuous flex oil and abrasion resistant power supply cable for small bend radius applications

10456 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE



Marking for S 900 P 07681362:

SAB BRÖCKSKES · D-VIERSEN · 07681362 16,0 mm<sup>2</sup> S 900 P 6 AWG 07680601 AWM Style 10456 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

S 900 P is an ultra flexible 600 V, UL approved cable designed for power applications. The design incorporates the IEC 60228 class 6 super fine wire stranding which provides excellent flexibility. The specially blended PUR jacket is abrasion resistant and passes the stringent VDE test 0282 part 10 and HD 22.10 oil test. Recommended applications are power supply cables for spindle motor, cable handling systems requiring power cable, and interconnect wire from power supply to the machine in harsh environment.

B  
8

### 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>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
<b>Jacket color:</b>	black

### Outstanding features:

- highly flexible single conductor for use in cable tracks
- good chemical resistance
- high abrasion resistance

### Technical data:

<b>Nominal voltage:</b>	<b>DIN VDE:</b> U <sub>0</sub> /U 0.6/1 kV	
<b>Voltage:</b>	<b>UL/CSA:</b> 600 V	
<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
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to UL + CSA FT1 and FT2	
<b>Oil resistance:</b>	very good - PUR TMPU acc. to DIN VDE 0282 part 10 + HD 22.10	
<b>Chem. resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.	
<b>Continuous 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	

Color of insulation: ➤ **black**

item no.	no. of conductors x cross section n x mm <sup>2</sup>	AWG/ MCM	outer-ø ± 5% inch	outer-ø ± 5% mm	cable weight ≈ lbs/mft	ampere at 30°C
07681315	1 x 1.50	16 (84/34)	0.220	5.6	30	24
07681325	1 x 2.50	14 (140/34)	0.256	6.5	42	32
07681340	1 x 4.00	12 (224/34)	0.287	7.3	58	42
07681360	1 x 6.00	10 (186/32)	0.315	8.0	77	54
07681361	1 x 10.00	8 (320/32)	0.386	9.8	116	73
07681362	1 x 16.00	6 (512/32)	0.425	10.8	165	98
07681363	1 x 25.00	4 (798/32)	0.500	12.7	237	129
07681364	1 x 35.00	2 (1083/32)	0.551	14.0	308	158
07681365	1 x 50.00	1 (703/28)	0.634	16.1	429	198
07681385	1 x 54.00	1/0 (779/28)	0.654	16.6	459	213
07681386	1 x 68.00	2/0 (969/28)	0.713	18.1	563	226
07681366	1 x 70.00	(988/28)	0.713	18.1	574	245
07681387	1 x 86.00	3/0 (1218/28)	0.787	20.0	702	263
07681367	1 x 95.00	(1340/28)	0.827	21.0	766	292
07681388	1 x 108.00	4/0 (1528/28)	0.886	22.5	859	313
07681368	1 x 120.00	(1680/28)	0.898	22.8	937	344
07681389	1 x 127.00	250 MCM (1799/28)	0.917	23.3	997	370
07681369	1 x 150.00	250 MCM (2122/28)	0.969	24.6	1153	391
07681390	1 x 152.00	300 MCM (2154/28)	0.969	24.6	1153	396
07681391	1 x 177.00	350 MCM (1443/26)	1.051	26.7	1373	430
07681370	1 x 185.00	(1472/26)	1.051	26.7	1396	448
07681392	1 x 204.00	400 MCM (1628/26)	1.197	30.4	1612	470
07681393	1 x 232.00	450 MCM (1850/26)	1.240	31.5	1801	490
07681371	1 x 240.00	(1910/26)	1.240	31.5	1848	528
07681394	1 x 255.00	500 MCM (2035/26)	1.252	31.8	1954	535
07681395	1 x 283.00	550 MCM (2257/26)	1.323	33.6	2275	560
07681372	1 x 300.00	(2388/26)	1.350	34.3	2277	608
07681396	1 x 306.00	600 MCM (2442/26)	1.350	34.3	2319	613

Other dimensions and colors are possible on request.

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