

# CONTINUOUS FLEX CABLES

also available with green-yellow insulation and gray jacket



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



10455 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2

Marking for S 900 07671362:

SAB BRÖCKSKES · D-VIERSEN · 07671362 16.0 mm<sup>2</sup> S 900 6 AWG AWM Style 10455 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE

S 900 is an ultra flexible 600 V, UL recognized, CSA 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 PVC jacket passes the stringent VDE test 0281 part 1 and HD 21.1 oil test providing the best oil resistance available for a PVC jacket. Recommended applications are power supply cables for spindle motor, cable handling systems requiring power cable, and interconnect wire from power supply to the machine.

**B**  
**7**

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
<b>Insulation:</b>	PVC, TI2 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	PVC, TM5 acc. to EN 50363-3 + VDE 0207-363-3
<b>Jacket color:</b>	black

### Technical data:

<b>Nominal voltage:</b>	DIN VDE: Uo/U 0.6/1 kV	
<b>Voltage:</b>	UL/CSA: 600 V	
<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:</b>	DIN VDE	UL/CSA: up to +90°C
<b>flexing:</b>	-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>Oil resistance:</b>	very good - PVC TM5 acc. to DIN VDE 0281 part 1 + HD 21.1	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30	

### Outstanding features:

- highly flexible single conductor for use in cable tracks
- UV resistant jacket

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/mt	ampere at 30°C
07671315	1 x 1.50	16 (≈ 84/34)	0.193	4.9	26	24
07671325	1 x 2.50	14 (≈ 140/34)	0.228	5.8	37	32
07671340	1 x 4.00	12 (≈ 224/34)	0.260	6.6	52	42
07671360	1 x 6.00	10 (≈ 186/32)	0.287	7.3	70	54
07671361	1 x 10.00	8 (≈ 320/32)	0.358	9.1	108	73
07671362	1 x 16.00	6 (≈ 504/32)	0.398	10.1	155	98
07671363	1 x 25.00	4 (≈ 760/32)	0.472	12.0	226	129
07671364	1 x 35.00	2 (≈ 1083/32)	0.539	13.7	305	158
07671365	1 x 50.00	1 (≈ 703/28)	0.622	15.8	425	198
07671385	1 x 54.00	1/0 (≈ 779/28)	0.642	16.3	455	213
07671386	1 x 68.00	2/0 (≈ 969/28)	0.673	17.1	530	226
07671366	1 x 70.00	2/0 (≈ 988/28)	0.681	17.3	540	245
07671387	1 x 86.00	3/0 (≈ 1218/28)	0.776	19.7	696	263
07671367	1 x 95.00	3/0 (≈ 1340/28)	0.827	21.0	770	292
07671388	1 x 108.00	4/0 (≈ 1528/28)	0.886	22.5	864	313
07671368	1 x 120.00	4/0 (≈ 1680/28)	0.898	22.8	942	344
07671389	1 x 127.00	250 MCM (≈ 1799/28)	0.917	23.3	1001	370
07671369	1 x 150.00	250 MCM (≈ 2122/28)	0.969	24.6	1158	391
07671390	1 x 152.00	300 MCM (≈ 2154/28)	0.969	24.6	1158	396
07671391	1 x 177.00	350 MCM (≈ 1443/26)	1.051	26.7	1378	430
07671370	1 x 185.00	350 MCM (≈ 1472/26)	1.051	26.7	1401	448
07671392	1 x 204.00	400 MCM (≈ 1628/26)	1.197	30.4	1620	470
07671393	1 x 232.00	450 MCM (≈ 1850/26)	1.240	31.5	1809	490
07671371	1 x 240.00	450 MCM (≈ 1910/26)	1.240	31.5	1856	528
07671394	1 x 255.00	500 MCM (≈ 2035/26)	1.252	31.8	1962	535
07671395	1 x 283.00	550 MCM (≈ 2257/26)	1.323	33.6	2284	560
07671372*	1 x 300.00	550 MCM (≈ 2388/26)	1.350	34.3	2286	608
07671396*	1 x 306.00	600 MCM (≈ 2442/26)	1.350	34.3	2329	613

\*from 283 mm<sup>2</sup> only UL recognition.

Other dimensions and colors are possible on request.

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