

# Continuous Flex

## S 900

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



455 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE 



Marking for S 900 7671362:

SAB BRÖCKSKES · D-VIERSEN · 7670601 16.0 mm<sup>2</sup> S 900 6 AWG 7671362  AWM Style 10455 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE

B  
8

### 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, black
<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 (RAL 9005)

### Outstanding features:

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

### Technical data:

<b>Nominal voltage:</b>	Uo/U 0.6/1 kV	
<b>Voltage UL/CSA:</b>	600 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 +5/+70°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>	very good - TM5 acc. to EN 50363-3 + VDE 0207-363-3	
<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	

item no.	no. of conductors n x mm <sup>2</sup>	AWG/MCM	outer-ø ± 5% inch	outer-ø ± 5% mm	cable weight ≈lbs/mft	ampere at 30° C
▶ 7671315	1 x 1.50	16 (≈ 84/34)	0.193	4.9	26	24
▶ 7671325	1 x 2.50	14 (≈ 140/34)	0.228	5.8	37	32
▶ 7671340	1 x 4.00	12 (≈ 224/34)	0.260	6.6	52	42
▶ 7671360	1 x 6.00	10 (≈ 186/32)	0.287	7.3	70	54
▶ 7671361	1 x 10.00	8 (≈ 320/32)	0.358	9.1	108	73
▶ 7671362	1 x 16.00	6 (≈ 512/32)	0.398	10.1	155	98
▶ 7671363	1 x 25.00	4 (≈ 798/32)	0.472	12.0	226	129
▶ 7671364	1 x 35.00	2 (≈ 1083/32)	0.539	13.7	305	158
▶ 7671365	1 x 50.00	1 (≈ 703/28)	0.622	15.8	425	198
▶ 7671385	1 x 54.00	1/0 (≈ 779/28)	0.642	16.3	455	213
▶ 7671386	1 x 68.00	2/0 (≈ 969/28)	0.673	17.1	530	226
▶ 7671366	1 x 70.00	2/0 (≈ 988/28)	0.681	17.3	540	245
▶ 7671387	1 x 86.00	3/0 (≈ 1218/28)	0.776	19.7	696	263
▶ 7671367	1 x 95.00	3/0 (≈ 1340/28)	0.827	21.0	770	292
▶ 7671388	1 x 108.00	4/0 (≈ 1528/28)	0.886	22.5	864	313
▶ 7671368	1 x 120.00	4/0 (≈ 1680/28)	0.898	22.8	941	344
▶ 7671389	1 x 127.00	250 MCM (≈ 1799/28)	0.917	23.3	1001	370
▶ 7671369	1 x 150.00	250 MCM (≈ 2122/28)	0.969	24.6	1158	391
▶ 7671390	1 x 152.00	300 MCM (≈ 2154/28)	0.969	24.6	1158	396
▶ 7671391	1 x 177.00	350 MCM (≈ 1443/26)	1.051	26.7	1378	430
▶ 7671370	1 x 185.00	350 MCM (≈ 1472/26)	1.051	26.7	1401	448
▶ 7671392	1 x 204.00	400 MCM (≈ 1628/26)	1.197	30.4	1620	470
▶ 7671393	1 x 232.00	450 MCM (≈ 1850/26)	1.240	31.5	1809	490
▶ 7671371	1 x 240.00	450 MCM (≈ 1910/26)	1.240	31.5	1856	528
▶ 7671394	1 x 255.00	500 MCM (≈ 2035/26)	1.252	31.8	1962	535
▶ 7671395	1 x 283.00	550 MCM (≈ 2257/26)	1.323	33.6	2284	560
▶ 7671372	1 x 300.00	550 MCM (≈ 2388/26)	1.350	34.3	2286	608
▶ 7671396	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.



### Possible on request:

- with green/yellow insulation



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