

Continuous Flex

S 900 P

Continuous flex oil and abrasion resistant power supply cable for small bend radius applications with PUR jacket



1455 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE 



Marking for S 900 7671362:

SAB BRÖCKSKES · D-VIERSEN · 7680601 16.0 mm² S 900 6 AWG 7671362  AWM Style 10455 90°C 600V CSA AWM I/II A/B 90°C 600V FT1 FT2 CE

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 6
Insulation:	PVC, T12 acc. to EN 50363-3 + VDE 0207-363-3, black
Wrapping:	non-woven tape
Jacket material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with matte surface
Jacket color:	black (RAL 9005)

Outstanding features:



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

Technical data:

Nominal voltage:	Uo/U 0.6/1 kV	
Voltage UL/CSA:	600 V	
Min. bending radius: <i>continuously flexing:</i>	7.5 x O.D.	
Radiation resistance:	5 x 10 ⁷ cJ/kg	
Temperature range: <i>static:</i> <i>flexing:</i>	DIN VDE -40/+70°C	UL/CSA: up to +80°C +5/+70°C
Burning characteristics:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL/CSA FT1, FT2	
Oil resistance:	very good - TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	
Chemical resistance:	good against acids, alkalines, solvents, hydraulic liquids, etc.	
Approvals:	UR AWM, CSA AWM, CE, EAC, RoHS	
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30	

B
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item no.	no. of conductors n x mm ²	AWG/MCM	outer-ø ± 5% inch	outer-ø ± 5% mm	cable weight ≈lbs/mft	ampere at 30° C
▶ 7681315	1 x 1.50	16 (≈ 84/34)	0.220	5.6	30	24
▶ 7681325	1 x 2.50	14 (≈ 140/34)	0.256	6.5	42	32
▶ 7681340	1 x 4.00	12 (≈ 224/34)	0.287	7.3	58	42
▶ 7681360	1 x 6.00	10 (≈ 186/32)	0.315	8.0	77	54
▶ 7681361	1 x 10.00	8 (≈ 320/32)	0.386	9.8	116	73
▶ 7681362	1 x 16.00	6 (≈ 512/32)	0.425	10.8	165	98
▶ 7681363	1 x 25.00	4 (≈ 798/32)	0.500	12.7	237	129
▶ 7681364	1 x 35.00	2 (≈ 1083/32)	0.551	14.0	308	158
▶ 7681365	1 x 50.00	1 (≈ 703/28)	0.634	16.1	429	198
▶ 7681385	1 x 54.00	1/0 (≈ 779/28)	0.654	16.6	459	213
▶ 7681386	1 x 68.00	2/0 (≈ 969/28)	0.713	18.1	563	226
▶ 7681366	1 x 70.00	2/0 (≈ 988/28)	0.713	18.1	574	245
▶ 7681387	1 x 86.00	3/0 (≈ 1218/28)	0.787	20.0	701	263
▶ 7681367	1 x 95.00	3/0 (≈ 1340/28)	0.827	21.0	766	292
▶ 7681388	1 x 108.00	4/0 (≈ 1528/28)	0.886	22.5	859	313
▶ 7681368	1 x 120.00	4/0 (≈ 1680/28)	0.898	22.8	937	344
▶ 7681389	1 x 127.00	250 MCM (≈ 1799/28)	0.917	23.3	996	370
▶ 7681369	1 x 150.00	250 MCM (≈ 2122/28)	0.969	24.6	1153	391
▶ 7681390	1 x 152.00	300 MCM (≈ 2154/28)	0.969	24.6	1153	396
▶ 7681391	1 x 177.00	350 MCM (≈ 1443/26)	1.051	26.7	1373	430
▶ 7681370	1 x 185.00	350 MCM (≈ 1472/26)	1.051	26.7	1396	448
▶ 7681392	1 x 204.00	400 MCM (≈ 1628/26)	1.197	30.4	1612	470
▶ 7681393	1 x 232.00	450 MCM (≈ 1850/26)	1.240	31.5	1801	490
▶ 7681371	1 x 240.00	450 MCM (≈ 1910/26)	1.240	31.5	1848	528
▶ 7681394	1 x 255.00	500 MCM (≈ 2035/26)	1.252	31.8	1953	535
▶ 7681395	1 x 283.00	550 MCM (≈ 2257/26)	1.323	33.6	2274	560
▶ 7681372	1 x 300.00	550 MCM (≈ 2388/26)	1.350	34.3	2277	608
▶ 7681396	1 x 306.00	600 MCM (≈ 2442/26)	1.350	34.3	2319	613

from 283 mm² only UL recognition.
Other dimensions and colors are possible on request.



Possible on request:

- with green/yellow insulation

