

# Continuous Flex

## S 910 CP

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



80°C 600V CSA AWM I/II A/B 80°C 1000V FT1 FT2 CE



Marking for S 910 CP 37692362:

SAB BRÜCKSKES · D-VIERSEN · 37690601 16.0 mm<sup>2</sup> S 910 CP 6 AWG 37692362 AWM Style 10456 80°C 600V CSA AWM I/II A/B 80°C 1000V FT1 FT2 CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 6
<b>Insulation:</b>	TPE, black
<b>Wrapping:</b>	non-woven tape
<b>Shielding:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with matte surface
<b>Jacket color:</b>	orange (RAL 2003)

### Outstanding features:



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

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 0.6/1 kV	
<b>Voltage:</b>	UL: 600 V	CSA: 1000V
<b>Min. bending radius:</b> <i>continuously flexing:</i>	7.5 x O.D.	
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range:</b> <i>static:</i> <i>flexing:</i>	DIN VDE -50/+90°C	UL/CSA: up to +80°C -40/+90°C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1	
<b>Burning characteristics:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL/CSA FT1, FT2	
<b>Oil resistance:</b>	very good - TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	
<b>Chemical resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids, etc.	
<b>Continuous flexibility:</b>	very good	
<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	

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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
▶ 37692340	1 x 4.00	12 (≈ 224/34)	0.280	7.1	56
▶ 37692360	1 x 6.00	10 (≈ 186/32)	0.315	8.0	75
▶ 37692361	1 x 10.0	8 (≈ 320/32)	0.350	8.9	105
▶ 37692362	1 x 16.0	6 (≈ 512/32)	0.406	10.3	153
▶ 37692363	1 x 25.0	4 (≈ 798/32)	0.461	11.7	225
▶ 37692364	1 x 35.0	2 (≈ 1083/32)	0.524	13.3	292
▶ 37692365	1 x 50.0	1 (≈ 703/28)	0.622	15.8	424
▶ 37692366	1 x 70.0	2/0 (≈ 988/28)	0.705	17.9	564
▶ 37692367	1 x 95.0	3/0 (≈ 1340/28)	0.902	22.9	802
▶ 37692368	1 x 120.0	4/0 (≈ 1680/28)	0.941	23.9	955
▶ 37692369	1 x 150.0	250 MCM (≈ 2122/28)	1.047	26.6	1191

Other dimensions and colors are possible on request.



### Possible on request:

- with green/yellow insulation