



## S 910 P Continuously flexible TPE/PUR single conductor



37680601 AWM Style 10456 80°C 600V CSA AWM I/II A/B 80°C 1000V FT1 FT2

SAB BRÖCKSKES · D-VIERSEN · 37681362 16,0 mm<sup>2</sup> S 910 P 6 AWG 37680601 AWM Style 10456 80°C 600V CSA AWM I/II A/B 80°C 1000V FT1 FT2

Marking for S 910 P 37681362:

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
<b>Insulation:</b>	TPE
<b>Wrapping:</b>	non-woven tape
<b>Sheath material:</b>	TMPU acc. to DIN VDE 0282 part 10 + HD 22.10 with mat surface
<b>Sheath colour:</b>	black (RAL 9005)

### 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>	DIN VDE: U <sub>o</sub> /U 0,6/1 kV	
<b>Voltage:</b>	UL: 600 V	CSA: 1000 V
<b>Min. bending radius</b> <i>continuously flexible:</i>	7,5 x d	
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg	
<b>Temperature range</b> <i>fixed laying:</i> <i>flexible application:</i>	DIN VDE -50/+90°C -40/+90°C	UL/CSA: up to +80°C
<b>Halogen-free:</b>	acc. to DIN VDE 0472 part 815 + IEC 60754-1	
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + EN 60332-1-2, UL/CSA FT1 + 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 directive of the European Union see page N/14	

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Colour of insulation: ➤ black

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	AWG/ MCM	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
37681340	1 x 4,00	0,16	12 (224/34)	6,6	38,4	69
37681360	1 x 6,00	0,21	10 (186/32)	7,5	57,6	94
37681361	1 x 10,00	0,21	8 (320/32)	8,4	96,0	138
37681362	1 x 16,00	0,21	6 (512/32)	9,9	153,6	206
37681363	1 x 25,00	0,21	4 (798/32)	11,1	240,0	296
37681364	1 x 35,00	0,21	2 (1083/32)	12,6	336,0	390
37681365	1 x 50,00	0,31	1 (703/28)	14,7	480,0	554
37681366	1 x 70,00	0,31	2/0 (988/28)	17,0	672,0	771
37681367	1 x 95,00	0,31	3/0 (1340/28)	20,4	912,0	1024
37681368	1 x 120,00	0,31	4/0 (1680/28)	23,0	1152,0	1318
37681369	1 x 150,00	0,31	250 MCM (2122/28)	25,7	1440,0	1649

Other dimensions and colours are possible on request.



On request with  
**green-yellow  
insulation**