



Electrical bonding

S 910 P continuously flexible TPE/PUR single conductor

Application



TPE/PUR single conductor with very good flexibility for use in hybrid and battery vehicles for earthing.



Marking for S 910 P 37681362:

SAB BRÖCKSKES · D-VIERSEN · 37681362 16,0 mm² S 910 P 6 AWG 37680601 AWM Style 10456 80°C 600V CSA AWM I/II A/B 80°C 1000V FT1 FT2 CE

Construction

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 6
Insulation:	TPE, green-yellow
Wrapping:	non-woven tape
Sheath material:	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with mat surface
Sheath colour:	black (RAL 9005)

Outstanding features



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

Technical Data

Nominal voltage:	U ₀ /U 0,6/1 kV	
Voltage:	UL: 600 V	CSA: 1000 V
Min. bending radius:	continuously flexible: 7,5 x d	
Radiation resistance:	1 x 10 ⁷ cJ/kg	
Temperature range:	DIN VDE:	UL/CSA: up to +80 °C
	fixed laying:	-50/+90 °C
	flexible application:	-40/+90 °C
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2	
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1	
Fire performance:	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL/CSA FT1, FT2	
Oil resistance:	very good - TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2	
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.	
Continuous flexibility:	very good	
Absence of harmful substances:	acc. to RoHS directive of the European Union	

item no.	nominal cross-section mm ²	largest single wire ø mm	AWG/MCM	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
37681140	4,00	0,16	12 (224/34)	6,6	38,4	69
37681160	6,00	0,21	10 (186/32)	7,5	57,6	94
37681161	10,00	0,21	8 (320/32)	8,4	96,0	138
37681162	16,00	0,21	6 (512/32)	9,9	153,6	206
37681163	25,00	0,21	4 (798/32)	11,1	240,0	296
37681164	35,00	0,21	2 (1083/32)	12,6	336,0	390
37681165	50,00	0,31	1 (703/28)	14,7	480,0	554
37681166	70,00	0,31	2/0 (988/28)	17,0	672,0	771
37681167	95,00	0,31	3/0 (1340/28)	20,4	912,0	1024
37681168	120,00	0,31	4/0 (1680/28)	23,0	1152,0	1318
37681169	150,00	0,31	250 MCM (2122/28)	25,7	1440,0	1649
37681170	185,00	0,41	350 MCM (1472/26)	27,6	1776,0	2020

Other dimensions and colours are possible on request.