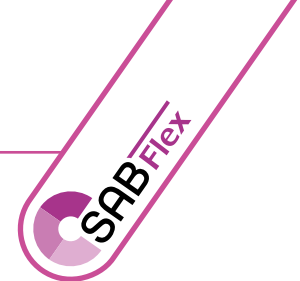


# Dynamic Cables

## SABdynamic 910 Control

continuously flexible PUR control cable, suitable for robots,  
robust, oil resistant and flame retardant



Marking example:

SAB BRÖCKSKES · D-VIERSEN · SABdynamic 910 Control 25G1,0mm<sup>2</sup> cULus AWM Style 21223 AWM I/II A/B 80°C 600V FT1 FT2 0910-2510 CE

### Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, Klasse 6
Insulation:	SABIX®
Colour code:	black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334, green-yellow earth wire from 3 cores
Stranding:	specially adjusted layering with non-woven tape over each layer, from 15 cores twisted to bundles
Sheath material:	PUR with mat surface
Sheath colour:	black (RAL 9005)

### Outstanding features:

- » UL/cUL recognized
- » PWIS uncritical  
(PWIS = paint-wetting impairment substances)
- » suitable for robots
- » extremely large temperature range
- » halogen-free
- » high abrasion resistance
- » suitable for long travel
- » small bending radius
- » small outer diameter

### Technical Data:

Nominal voltage:	U <sub>0</sub> /U 300/500 V
Voltage UL/cUL:	600 V
Testing voltage:	core/core 2000 V
torsion cycles:	up to ± 180°/m > 10 million up to ± 360°/m > 5 million
Min. bending radius	
fixed laying:	3 x d
flexible application:	≤ 5 m 7,5 x d > 5 m 10 x d
bending cycles:	> 10 million
Temperature range	DIN VDE UL/cUL: up to +80 °C
fixed laying:	-50/+90 °C
flexible application:	-40/+90 °C
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, cUL FT1, FT2
Oil resistance:	very good - TMPU 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
Sunlight resistance:	acc. to HD 605
Ozone resistance:	acc. to DIN EN 50396
Salt water resistance:	acc. to UL 1309
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
multi-core cable unscreened					
09100315	3 x 1,50	0,16	6,2	43,2	64
09101515	15 x 1,50	0,16	15,6	216,0	338

Other dimensions and colours are possible on request.

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
multi-core cable screened					
09112510	3 x 1,50	0,16	6,5	57,6	76
09111511	15 x 1,50	0,16	16,3	296,2	403

Other dimensions and colours are possible on request.