

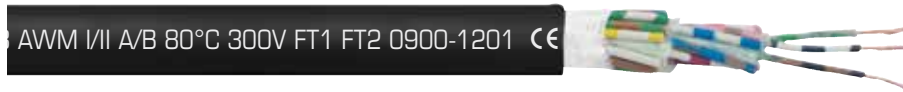
Highly dynamic cables

SABdynamic 910 Data

continuously flexible SABIX®/PUR data cable, suitable for robots, robust, oil resistant and flame retardant with coloured cores

low capacity

SABFlex



AWM I/II A/B 80°C 300V FT1 FT2 0900-1201 CE



Marking example:

SAB BRÜCKSKES · D-VIERSEN · SABdynamic 910 Data 12x0,14mm² cULus AWM Style 20233 AWM I/II A/B 80°C 300V FT1 FT2 0910-1201 CE

Construction:

Conductor:	bare copper strands with reference to IEC 60228, VDE 0295, class 6
Insulation:	SABIX®
Colour code:	with reference to DIN 47100
Stranding:	specially adjusted layering with non-woven tape over each layer, from 23 cores twisted to pairs
Sheath material:	PUR with mat surface
Sheath colour:	black (RAL 9005)

Outstanding features:

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

Technical Data:

Peak operating voltage:	max. 350 V	
Voltage cULus:	300 V	
Testing voltage:	core/core 2000 V	
torsion cycles:	up to ± 180°/m > 10 million up to ± 360°/m > 5 million	
Min. bending radius		
<i>fixed laying:</i>	3 x d	
<i>flexible application:</i>	≤ 5 m 7,5 x d > 5 m 10 x d > 10 million	
bending cycles:		
Temperature range	DIN VDE	cULus: up to +80 °C
<i>fixed laying:</i>	-50/+90 °C	
<i>flexible application:</i>	-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, cULus 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 ²	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
09101201	12 x 0,14	0,11	5,5	15,6	36

Other dimensions and colours are possible on request.