

# Dynamic Cables

## SABdynamic 900 Data

continuously flexible PUR data cable, robust, oil resistant and flame retardant



Marking example:

SAB BRÖCKSKES · D-VIERSEN · SABdynamic 900 Data 12x0,14mm<sup>2</sup> cULus AWM Style 20233 AWM I/II A/B 80°C 300V FT1 FT2 0900-1201 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
Sheath material:	PUR with mat surface
Sheath colour:	black (RAL 9005)

### Outstanding features:

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

### Technical Data:

Peak operating voltage:	max. 350 V
Voltage UL/cUL:	300 V
Testing voltage:	core/core 2000 V
Min. bending radius	
fixed laying:	3 x d
flexible application:	7,5 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					
09001201	12 x 0,14	0,11	5,5	15,6	36

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-pair cable screened					
09010402	4 x 2 x 0,25	0,11	6,7	36,9	55
09010403	4 x 2 x 0,34	0,11	7,2	46,1	64
09010450	4 x 2 x 0,50	0,16	8,4	62,2	93
09010475	4 x 2 x 0,75	0,16	9,2	86,6	113

Other dimensions and colours are possible on request.