

Highly dynamic cables

SD 99 C *ECO*

continuously flexible SABIX®/PUR data cable with coloured cores and overall copper screen



marking example:

SAB BRÜCKSKES · D-VIERSEN · SD 99 C *ECO* 25x0,14mm² CE

Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	SABIX®
Colour code:	with reference to DIN 47100
Stranding:	specially adjusted layering with non-woven tape over each layer
Wrapping:	non-woven tape
Screen:	tinned copper braiding
Wrapping:	non-woven tape
Sheath material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with mat surface
Sheath colour:	black (RAL 9005)

Outstanding features:

- » low capacity
- » PWIS uncritical
(PWIS = paint-wetting impairment substances)
- » flexible at low temperatures
- » halogen-free
- » high abrasion resistance
- » small bending radius
- » small outer diameter
- » good EMC characteristics
- » PFAS free

Technical Data:

Peak operating voltage:	max. 350 V acc. to VDE 0812
Testing voltage:	core/core 1500 V core/screen 1200 V
Torsion angle:	± 60°/1 m
Min. bending radius	
<i>fixed laying:</i>	3 x d
<i>flexible application:</i>	7,5 x d
Temperature range	
<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
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 mm²	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
09830801	8 x 0,14	0,11	4,8	24,4	34
09831201	12 x 0,14	0,11	5,4	31,6	43
09830402	4 x 0,25	0,11	4,1	20,0	27
09830502	5 x 0,25	0,11	4,5	25,9	34
09831202	12 x 0,25	0,11	6,3	46,5	59
09830403	4 x 0,34	0,11	4,4	27,1	33
09830503	5 x 0,34	0,11	5,1	30,3	41
09831803	18 x 0,34	0,11	7,7	83,1	101
09830550	5 x 0,50	0,11	5,5	40,0	51
09830475	4 x 0,75	0,11	6,2	46,4	62

Other dimensions and colours are possible on request.