

Highly dynamic cables

S 99 C *ECO*

continuously flexible SABIX®/PUR control cable with numbered cores and overall copper screen



marking example:

SAB BRÖCKSKES · D-VIERSEN · S 99 C *ECO* 12x1,5mm² CE

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 6
Insulation:	SABIX®
Colour code from 2 conductors:	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
Screen:	tinned copper braiding
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:

- » 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:

Nominal voltage:	Uo/U 300/500 V
Testing voltage:	core/core 2000 V core/screen 2000 V
Torsion angle:	± 60°/1 m
Min. bending radius	
fixed laying:	3 x d
flexible application:	7,5 x d
Temperature range	
fixed laying:	-50/+90 °C
flexible application:	-40/+90 °C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
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
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
09841205	12 x 0,50	0,16	8,1	81,4	103
09841805	18 x 0,50	0,16	9,9	114,1	150
09840307	3 x 0,75	0,16	5,7	37,5	50
09840507	5 x 0,75	0,16	6,6	55,5	71
09840707	7 x 0,75	0,16	7,7	74,1	97
09841207	12 x 0,75	0,16	9,6	115,4	141
09842510	25 x 1,00	0,16	14,7	336,9	384
09840315	3 x 1,50	0,16	6,5	60,9	75
09840415	4 x 1,50	0,16	7,0	77,3	93
09840515	5 x 1,50	0,16	7,8	95,7	115
09840715	7 x 1,50	0,16	8,4	127,1	149
09841215	12 x 1,50	0,16	11,4	227,0	255
09845015	50 x 1,50	0,16	21,9	859,9	953
09840325	3 x 2,50	0,16	8,0	95,8	115
09840525	5 x 2,50	0,16	10,0	149,2	184
09841225	12 x 2,50	0,16	14,9	385,3	419

Other dimensions and colours are possible on request.