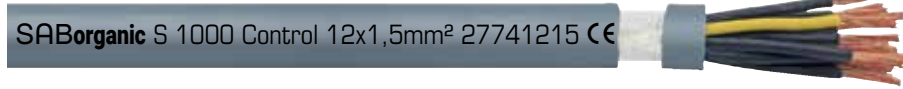
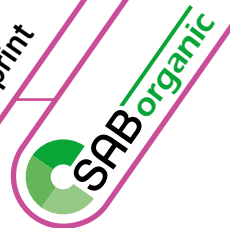


Highly dynamic cables

SABorganic S 1000 Control

continuously flexible SABIX®/PUR control cable with numbered cores

reduced
carbon footprint



marking example:

SABorganic S 1000 Control 12x1,5mm² 27741215 CE

Application: The control cable SABorganic S 1000 Control is suitable for cable chains and equipped with an outer sheath made of bio-based PUR material that is mainly obtained of sustainable resources. This reduces the carbon footprint by a quarter compared to conventional types. The SABorganic S 1000 Control is particularly suitable for use in cable chains and moveable machine parts. The halogen-free and flame-retardant characteristics of the new sheath material reduce potential fire hazards. The SABorganic S 1000 Control is also resistant against mineral oil-based lubricants and many chemicals.

Construction:

Conductor:	bare copper strands acc. to IEC 60228, VDE 0295, class 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
Wrapping:	non-woven tape
Sheath material:	PUR, TMPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with mat surface
Sheath colour:	grey (RAL 7000)

Technical Data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage:	core/core 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
limited time of use:	+125 °C (up to 2000h)
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
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“

Outstanding features:

- » reduced carbon footprint
- » low capacity
- » sustainable plastic materials
- » PWIS uncritical
(PWIS = paint-wetting impairment substances)
- » flexible at low temperatures
- » halogen-free
- » flame retardant and self-extinguishing
- » travel > 10 m is possible
- » high abrasion resistance
- » small bending radius
- » small outer diameter
- » PFAS free

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
27740505	5 x 0,50	0,16	5,4	24,0	43
27740705	7 x 0,50	0,16	6,4	33,6	60
27741205	12 x 0,50	0,16	7,6	57,6	86
27741805	18 x 0,50	0,16	9,0	86,4	125
27742505	25 x 0,50	0,16	11,0	120,0	173
27741210	12 x 1,00	0,16	9,1	115,2	148
27741810	18 x 1,00	0,16	11,0	172,8	226
27740315	3 x 1,50	0,16	6,0	43,2	63
27740515	5 x 1,50	0,16	7,3	72,0	99
27740361	3 x 10,0	0,21	13,6	288,0	394

Other dimensions and colours are possible on request.