

# Control and connection cables

## CC 510 CY

PVC control cable with numbered cores, inner sheath and overall copper screen 0,6/1 kV



Marking for CC 510 CY 32021215:

SAB BRÖCKSKES · D-VIERSEN · CC 510 CY 0,6/1kV 12x1,5mm² CE

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 5
<b>Insulation:</b>	PVC, TI2 acc. to EN 50363-3 + VDE 0207-363-3
<b>Colour code:</b>	black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334, green-yellow earth wire from 3 cores
<b>Stranding:</b>	in layers
<b>Inner sheath:</b>	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
<b>Screen:</b>	tinned copper braiding
<b>Sheath material:</b>	PVC, TM2 acc. to EN 50363-4-1 + VDE 0207-363-4-1
<b>Sheath colour:</b>	black (RAL 9005)

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 0,6/1 kV
<b>Testing voltage:</b>	core/core 4000 V core/screen 4000 V
<b>Min. bending radius</b>	
<i>fixed laying:</i>	5 x d
<i>flexible application:</i>	10 x d
<b>Radiation resistance:</b>	8 x 10 <sup>7</sup> cJ/kg
<b>Temperature range</b>	
<i>fixed laying:</i>	-40/+70 °C
<i>flexible application:</i>	+5/+70 °C
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Oil resistance:</b>	acc. to internal standard, see chapter N „Technical Data“
<b>Chem. resistance:</b>	see chapter N „Technical Data“
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see chapter N „Technical Data“

### Outstanding features:



- flexible
- good EMC characteristics
- numbered cores
- small bending radius
- sunlight resistant

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
32020210	2 x 1,00	0,21	9,4	45,4	130
32020310	3 x 1,00	0,21	9,8	55,1	145
32020410	4 x 1,00	0,21	10,4	67,6	167
32020510	5 x 1,00	0,21	11,6	95,9	211
32020710	7 x 1,00	0,21	12,7	121,6	260
32021210	12 x 1,00	0,21	16,2	212,9	411
32021910	19 x 1,00	0,21	18,9	293,9	574
32020315	3 x 1,50	0,26	11,3	90,9	200
32020415	4 x 1,50	0,26	12,2	111,7	237
32020515	5 x 1,50	0,26	13,3	131,6	280
32020715	7 x 1,50	0,26	14,6	186,4	355
32020815	8 x 1,50	0,26	16,8	213,3	427
32021215	12 x 1,50	0,26	18,9	284,3	553
32021915	19 x 1,50	0,26	21,8	411,7	771
32020325	3 x 2,50	0,26	12,9	126,6	269
32020825	8 x 2,50	0,26	19,6	315,4	596

Other dimensions and colours are possible on request.