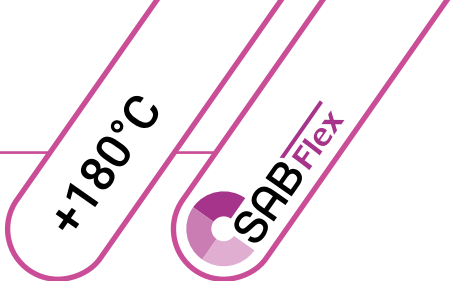


# Dynamic Cables

## S 180 C HT

continuously flexible high temperature control cable with numbered cores, overall copper screen and Besilen® outer sheath



**Application:** For use in cable tracks with extremely ambient temperature like for example in steel industry.

### Construction:

<b>Conductor:</b>	tinned copper strands acc. to IEC 60228, VDE 0295, class 6
<b>Insulation:</b>	FEP
<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>	specially adjusted layering with non-woven tape over each layer
<b>Wrapping:</b>	tape
<b>Screen:</b>	tinned copper braiding
<b>Sheath material:</b>	special Besilen®
<b>Sheath colour:</b>	grey (RAL 7000)

### Technical Data:

<b>Nominal voltage:</b>	Uo/U 0,6/1 kV
<b>Testing voltage:</b>	core/core 4000 V core/screen 4000 V
<b>Min. bending radius</b> <i>continuously flexible:</i>	15 x d
<b>Temperature range</b> <i>fixed laying:</i>	-25/+180 °C
<i>flexible application:</i>	-25/+180 °C
<i>short-time use:</i>	+200 °C
<b>Fire performance:</b>	flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2
<b>Flexibility:</b>	very good
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“

### Outstanding features:

- » very good EMC characteristics
- » extreme temperature resistance
- » high notch resistance
- » very good flexibility

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
31850315	3 x 1,50	0,16	8,1	63,8	110
31850415	4 x 1,50	0,16	8,9	80,4	137
31850515	5 x 1,50	0,16	9,6	98,3	166
31850715	7 x 1,50	0,16	11,4	147,6	240
31850325	3 x 2,50	0,16	9,8	98,5	163
31850425	4 x 2,50	0,16	11,1	142,1	221
31850525	5 x 2,50	0,16	12,1	171,9	268
31850725	7 x 2,50	0,16	14,0	229,2	364
31852025	20 x 2,50	0,16	21,0	612,4	856
31850440	4 x 4,00	0,16	12,7	206,4	304
31850540	5 x 4,00	0,16	14,0	253,2	378
31850740	7 x 4,00	0,16	16,7	368,0	541
31851240	12 x 4,00	0,16	20,3	577,4	790
31850360	3 x 6,00	0,21	14,0	234,0	341
31850460	4 x 6,00	0,21	15,2	297,9	457
31850560	5 x 6,00	0,21	17,2	388,0	568
31850760	7 x 6,00	0,21	20,2	519,5	780
31850461	4 x 10,0	0,21	17,8	485,6	683
31850561	5 x 10,0	0,21	19,7	594,9	828
31850462	4 x 16,0	0,21	21,5	747,7	1007
31850562	5 x 16,0	0,21	24,0	922,4	1256
31850463	4 x 25,0	0,21	25,2	1117,5	1444
31850464	4 x 35,0	0,21	29,0	1532,5	1934
31850167	1 x 95,0	0,31	22,3	1046,6	1228
31850170	1 x 185,0	0,41	28,6	1962,7	2250

Other dimensions and colours are possible on request.