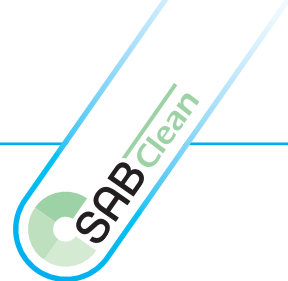


# Cable Track Cables

**SAB<sup>clean</sup> SD 780 C** continuously flexible data cable with overall copper screen

**SAB<sup>clean</sup> S 780 C** continuously flexible control cable with overall copper screen



S · D-VIERSEN · SAB Clean SD 780 · 18 x 0,34 mm<sup>2</sup> CE



Marking for SAB<sup>clean</sup> SD 780 C 37801803:

SAB BRÜCKSKES · D-VIERSEN · SAB Clean SD 780 · 18 x 0,34 mm<sup>2</sup> CE RoHS and current meter marking

ES · D-VIERSEN · SAB Clean S 780 C · 4 G 1,0 mm<sup>2</sup> CE



Marking for SAB<sup>clean</sup> S 780 C 37800410:

SAB BRÜCKSKES · D-VIERSEN · SAB Clean S 780 C · 4 G 1,0 mm<sup>2</sup> CE RoHS and current meter marking

## Construction:

<b>Conductor:</b>	<b>SD 780 C:</b> bare copper strands, extra fine wire <b>S 780 C:</b> bare copper strands acc. to IEC 60228, VDE 0295, class 6
<b>Insulation:</b>	TPE
<b>Colour code:</b>	<b>SD 780 C:</b> with reference to DIN 47100 <b>S 780 C:</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
<b>Wrapping:</b>	non-woven tape
<b>Inner sheath:</b>	<b>S 780 C:</b> SABIX®
<b>Wrapping:</b>	<b>S 780 C:</b> non-woven tape
<b>Screen:</b>	tinned copper braiding
<b>Wrapping:</b>	non-woven tape
<b>Sheath material:</b>	TPE
<b>Sheath colour:</b>	black (RAL 9005)

## Technical data:

<b>Peak operating voltage:</b>	<b>SD 780 C:</b> max. 350 V
<b>Nominal voltage:</b>	<b>S 780 C:</b> U <sub>0</sub> /U 300/500 V
<b>Testing voltage:</b>	<b>SD 780 C:</b> core/core 1500 V core/screen 1200 V <b>S 780 C:</b> core/core 2000 V core/screen 2000 V
<b>Min. bending radius:</b>	7,5 x d
<b>Temperature range</b>	
fixed laying:	-40/+80 °C
flexible application:	-30/+80 °C
<b>Oil resistance:</b>	very good - Oil 60 °C acc. to UL 758
<b>Air cleanliness class 1:</b>	acc. to DIN EN ISO 14644-1
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union

## Outstanding features:

- flexible at low temperatures
- high abrasion resistance
- small outer diameter
- oil resistant
- good EMC characteristics

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	ohmic resistance at 20 °C max. Ω/km
<b>SD 780 C</b>						
37800201	2 x 0,14	0,11	4,3	13,4	25	139,3
37800301	3 x 0,14	0,11	4,4	14,8	27	139,3
37800302	3 x 0,25	0,11	4,8	18,3	32	78,0
37800402	4 x 0,25	0,11	5,0	20,8	36	78,0
37800303	3 x 0,34	0,11	5,0	21,0	35	57,4
37800503	5 x 0,34	0,11	5,6	31,8	51	57,4
37800703	7 x 0,34	0,11	6,3	39,2	62	57,4
37801003	10 x 0,34	0,11	7,2	52,8	77	57,4
37801803	18 x 0,34	0,11	8,4	84,6	117	57,4
<b>S 780 C</b>						
37800305	3 x 0,50	0,16	7,2	34,6	68	39,0
37800405	4 x 0,50	0,16	7,6	39,8	76	39,0
37800207	2 x 0,75	0,16	7,5	34,9	70	26,0
37800407	4 x 0,75	0,16	8,2	51,6	92	26,0
37800210	2 x 1,00	0,16	7,9	41,8	80	19,5
37800310	3 x 1,00	0,16	8,2	51,6	92	19,5
37800410	4 x 1,00	0,16	8,9	64,6	113	19,5
37800315	3 x 1,50	0,16	9,0	69,4	118	13,3
37800415	4 x 1,50	0,16	9,6	84,5	138	13,3
37800425	4 x 2,50	0,16	11,7	148,3	216	7,98
37800440	4 x 4,00	0,16	13,9	215,5	313	4,95

Other dimensions and colours are possible on request.



**Cleanroom  
classification**  
**DIN EN ISO 14644-1**  
**air cleanliness class 1**