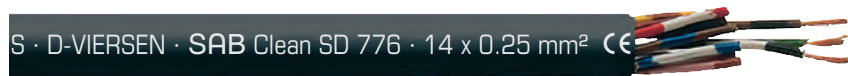


# Continuous Flex Cables for Cleanrooms

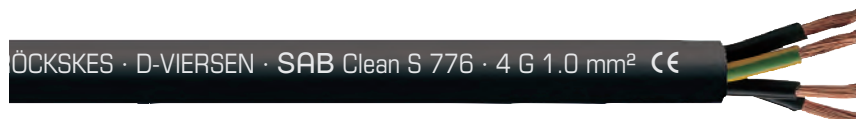
**SAB**clean **SD 776** Continuous flexible data cable

**SAB**clean **S 776** Continuous flexible control cable



Marking for **SAB**clean SD 776 37761402:

SAB BRÖCKSKES · D-VIERSEN · SAB Clean SD 776 · 14 x 0.25 mm² CE RoHS



Marking for **SAB**clean S 776 37760410:

SAB BRÖCKSKES · D-VIERSEN · SAB Clean S 776 · 4G 1.0 mm² CE RoHS

B  
45

## Construction:

<b>Conductor:</b> <b>SD 776:</b>	bare copper strands extra fine wire
<b>S 776:</b>	bare copper strands acc. to IEC 60228, VDE 0295, class 6
<b>Insulation:</b>	TPE
<b>Color code:</b> <b>SD 776:</b>	acc. to DIN 47100, see below
<b>S 776:</b>	black conductors with consecutive numbers acc. to EN 50334 + VDE 0293-334, green/yellow ground from 3 conductors
<b>Stranding:</b>	specially adjusted layering
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	TPE
<b>Jacket color:</b>	black (RAL 9005)

## Technical data:

<b>Peak operating voltage:</b>	<b>SD 776:</b> max. 350 V
<b>Nominal voltage:</b>	<b>S 776:</b> U <sub>0</sub> /U 300/500 V
<b>Testing voltage:</b> <b>SD 776:</b>	conductor/conductor: 1500 V
<b>S 776:</b>	conductor/conductor: 2000 V
<b>Min. bending radius:</b>	7.5 x O.D.
<b>Temperature range:</b> <i>static:</i> <i>flexing:</i>	-40/+80°C -30/+80°C
<b>Oil resistance:</b>	very good- oil rating 60°C acc. to UL 758
<b>Air cleanliness class 1:</b>	acc. to ISO 14644-1
<b>Approvals:</b>	CE, RoHS
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30

## Outstanding features:



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



**Cleanroom classification**  
**ISO 14644-1**  
**Air Cleanliness Class 1**

### SD 776

item no.	no. of conductors	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft	ohmic resistance at 20°C max. Ω/km
<b>▶ 24 AWG ▪ 0.25 mm<sup>2</sup></b>					
37760302	3	0.161	4.1	15	78
37760402	4	0.169	4.3	17	78
37760502	5	0.181	4.6	21	78
37760602	6	0.197	5.0	25	78
37760702	7	0.209	5.3	28	78
37761002	10	0.240	6.1	35	78
37761402	14	0.256	6.5	44	78
<b>▶ 22 AWG ▪ 0.34 mm<sup>2</sup></b>					
37760503	5	0.193	4.9	25	57.4
37763203	32	0.390	9.9	109	57.4

Other dimensions and colors are available on request

#### DIN 47100 color code:

#1- white, #2- brown, #3- green, #4- yellow, #5- gray, #6- pink, #7- blue, #8- red, #9- black, #10- violet, #11- gray-pink, #12- red-blue, #13- white-green, #14- brown-green, #15- white-yellow, #16- yellow-brown, #17- white-gray, #18- gray-brown, #19- white-pink, #20- pink-brown, #21- white-blue, #22- brown-blue, #23- white-red, #24- brown-red, #25- white-black, #26- brown-black, #27- gray-green, #28- yellow-gray, #29- pink-green, #30- yellow-pink, #31- green-blue, #32- yellow-blue

### S 776

item no.	no. of conductors incl. ground	outer-ø ±10% inch	outer-ø ±10% mm	cable weight ≈lbs/mft	ohmic resistance at 20°C max. Ω/km
<b>▶ 20 AWG ▪ 0.50 mm<sup>2</sup></b>					
37760205	2	0.209	5.3	24	39
37760305	3	0.217	5.5	28	39
37760405	4	0.232	5.9	33	39
37760505	5	0.252	6.4	40	39
37760705	7	0.287	7.3	53	39
37761205	12	0.343	8.7	75	39
<b>▶ 19 AWG ▪ 0.75 mm<sup>2</sup></b>					
37760407	4	0.256	6.5	42	26
37760507	5	0.280	7.1	52	26
37760707	7	0.319	8.1	70	26
<b>▶ 18 AWG ▪ 1.0 mm<sup>2</sup></b>					
37760410	4	0.276	7.0	52	19.5
<b>▶ 16 AWG ▪ 1.5 mm<sup>2</sup></b>					
37760415	4	0.303	7.7	67	13.3
37760515	5	0.331	8.4	83	13.3
<b>▶ 14 AWG ▪ 2.5 mm<sup>2</sup></b>					
37760425	4	0.378	9.6	105	7.98
<b>▶ 12 AWG ▪ 4.0 mm<sup>2</sup></b>					
37760440	4	0.476	12.1	169	4.95
<b>▶ 10 AWG ▪ 6.0 mm<sup>2</sup></b>					
37760460	4	0.520	13.2	225	3.3
<b>▶ 8 AWG ▪ 10 mm<sup>2</sup></b>					
37760461	4	0.622	15.8	345	1.91



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