

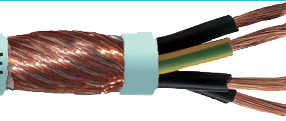
# Torsion Cables

## SAB<sup>clean</sup> RT 795 D

halogen-free torsional control cable with overall copper screen



SD 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE



Marking for SAB<sup>clean</sup> SD 787 C TP 37810725:

SAB BRÖCKSKES · D-VIERSEN · 37950425 4 x 2,5 mm<sup>2</sup> SAB Clean RT 795 D 14 AWG/4c 37951404

AWM Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

### Construction:

<b>Conductor:</b>	bare copper strands, extra fine wire, with reference to VDE 0812
<b>Insulation:</b>	TPE
<b>Colour code bis 0,34 mm<sup>2</sup>:</b>	with reference to DIN 47100
<b>ab 0,50 mm<sup>2</sup>:</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>	netting tape, non-woven tape
<b>Screen:</b>	wrapped with bare copper wires
<b>Wrapping:</b>	non-woven tape
<b>Sheath material:</b>	TPE
<b>Sheath colour:</b>	whitegreen (RAL 6019)

### Technical data:

<b>Nominal voltage:</b>	U <sub>0</sub> /U 300/500 V	
<b>Voltage UL/CSA:</b>	600 V	
<b>Testing voltage:</b>	core/core	3000 V
	core/screen	2000 V
<b>Torsion angle:</b>	up to ± 360°/1 m	
<b>Min. bending radius continuously flexible:</b>	7,5 x d	
<b>Temperature range fixed laying:</b>	<b>DIN VDE</b>	<b>UL/CSA</b>
	-50/+90 °C	up to +80 °C
<b>flexible application:</b>	-40/+90 °C	up to +80 °C
<b>Halogen-free:</b>	acc. to IEC 60754-1 + VDE 0482-754-1	
<b>Air cleanliness class 1:</b>	acc. to US Federal Standard 209 E	
<b>Air cleanliness class 2:</b>	acc. to DIN EN 14644-1	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union	

### Outstanding features:



- rugged and reliable
- torsion angle up to ± 360° over 1 m
- halogen-free

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
37950303	3 x 0,34	0,11	4,1	18,4	27	57,4
37950403	4 x 0,34	0,11	4,4	21,7	32	57,4
37950505	5 x 0,50	0,11	6,1	34,6	58	39,0
37951005	10 x 0,50	0,11	8,1	64,2	98	39,0
37951505	15 x 0,50	0,11	9,3	88,5	138	39,0
37952505	25 x 0,50	0,11	11,6	162,6	219	39,0
37950225	2 x 2,50	0,16	9,8	77,3	126	7,98
37950425	4 x 2,50	0,16	11,0	128,6	188	7,98

Other dimensions and colours are possible on request.



Cleanroom classification  
DIN EN ISO 14644-1  
air cleanliness class 1,  
US Federal Standard 209 E air  
cleanliness class 1.