

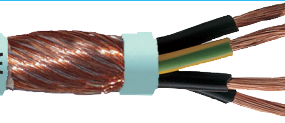
# Torsion Cables

## SAB<sup>clean</sup> RT 793 D

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 37930415:

SAB BRÖCKSKES · D-VIERSEN · 4 x 1,5 mm<sup>2</sup> SAB Clean RT 793 D 16 AWG/4c 37930415

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 acc. to IEC 60228, VDE 0295, class 6
<b>Insulation:</b>	TPE
<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
<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</b> <i>continuously flexible:</i>	7,5 x d	
<b>Temperature range</b> <i>fixed laying:</i>	<b>DIN VDE</b>	<b>UL/CSA</b>
<i>flexible application:</i>	-50/+70 °C	up to +80 °C
	-40/+70 °C	up to +80 °C
<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:



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

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
37930505	5 x 0,50	0,16	8,7	40,3	99	39,0
37930415	4 x 1,50	0,16	9,6	88,3	145	13,3
37931215	12 x 1,50	0,16	14,1	216,4	317	13,3
37930225	2 x 2,50	0,16	9,8	80,7	140	7,98
37930425	4 x 2,50	0,16	11,0	130,9	192	7,98

Other dimensions and colours are possible on request.



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