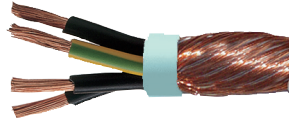


# FLEXIBLE SPECIALITY CABLES

torsion/twisting angle  
up to  $\pm 360^\circ$   
per 19.685 inches



## SAB<sub>clean</sub> RT 795 D Clean Room Torsion Cables



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

Marking for SAB<sub>clean</sub> RT 795 D 37951404: SAB BRÖCKSKES · D-VIERSEN ·  
37950425 4 x 2,5 mm<sup>2</sup> SAB<sub>clean</sub> 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

This 600 V UL/CSA approved cable is rated for 80°C and used in applications where combined twisting and bending stresses occur. This unique cable accurately transmits control signals and power supply to welding robots, rotary tables and other automated applications. The high quality UL/CSA approved insulation with its smooth surface and slide wrapping increases cable life expectancy under extreme twisting and bending stresses. The outer jacket made of specially formulated TPE is highly resistant to abrasion, oil, notching microbes and hydrolysis. In addition, the surface quality prevents adhesion to adjacently installed cables. The overall bare copper spiral shield is recommended whenever electrical interference distorts signal transmission or when EMI emission needs to be suppressed.

### Construction:

<b>Conductor:</b>	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
<b>Insulation:</b>	TPE 510
<b>Colour code:</b>	black cores with consecutive white numbers and green-yellow earth
<b>Stranding:</b>	cores twisted with specially adjusted layering
<b>Wrapping:</b>	nettig-tape
<b>Wrapping:</b>	non-woven tape
<b>Screen:</b>	wrapped with bare copper wires
<b>Wrapping:</b>	non-woven tape
<b>Sheath material:</b>	TPE 800
<b>Sheath colour:</b>	white green (RAL 6019)

### Outstanding features:

- rugged and reliable
- torsion angle up to  $\pm 360^\circ/m$

### Technical data:

<b>Peak operating voltage:</b>	<b>DIN VDE</b> 300/500 V	<b>UL/CSA</b> 600 V
<b>Testing voltage:</b>	core/core 3000 V	core/screen 2000 V
<b>Torsion angle:</b>	up to $\pm 360^\circ/0.5$ m (tested)	
<b>Min. bending radius</b> <i>continuous flexing</i>	7.5 x O.D.	
<b>Temperature range</b> <i>static:</i>	<b>DIN VDE:</b> -50/+70°C	<b>UL/CSA:</b> up to +80°C
<i>flexing:</i>	-40/+70°C	
<b>Clean Room classification:</b>	US Federal Standard Air Cleanliness Class 1 EN ISO 13644-1 Air Cleanliness Class 2	
<b>Absence of harmful substances:</b>	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/25	

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item no.	dimensions	average outer-ø		cable weight ≈ lbs/mft	DC resistance at 20°C max. Ω/km
		inch	mm		

➤ 37951404	14 AWG / 4c	0.433	11.0	122	7.98
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Other dimensions and colors are possible on request.

E-mail: [info@sabcable.com](mailto:info@sabcable.com)



Web site: [www.sabcable.com](http://www.sabcable.com)