

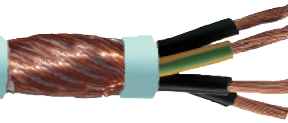
CLEAN ROOM TORSION CABLES



torsion/twisting angle
up to $\pm 360^\circ$
per 0.5 meter

SAB_{clean} RT 793 D Clean room torsion cables

0 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE



Marking for SAB_{clean} RT 793 D 37930415: SAB BRÖCKSKES · D-VIERSEN ·

4 G 1.5 mm² 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

This 600 V UL recognized, 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 recognized, 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.

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Construction:

Conductor:	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
Insulation:	TPE
Color code:	black conductors with consecutive white numbers and green-yellow earth
Stranding:	conductors twisted with specially adjusted layering
Wrapping:	non-woven tape
Screen:	wrapped with bare copper wires
Wrapping:	non-woven tape
Jacket material:	TPE
Jacket color:	white green

Outstanding features:

- rugged and reliable
- torsion angle up to $\pm 360^\circ$ per 0.5 meter

Technical data:

Peak operating voltage:	DIN VDE 300/500 V UL/CSA 600 V
Testing voltage:	conductor/conductor 3000 V conductor/screen 2000 V
Torsion angle:	up to $\pm 360^\circ/0.5$ meter (tested)
Min. bending radius	7.5 x O.D.
Temperature range	DIN VDE: -50/+70°C UL/CSA: up to +80°C <i>static:</i> <i>motion:</i>
Clean Room classification:	US Federal Standard Air Cleanliness class 1 EN ISO 13644-1 Air Cleanliness class 1
Absence of harmful substances:	acc. to RoHS directive of the European Union see page O/30

item no.	dimensions	nominal outer- ϕ		cable weight \approx lbs/mft	DC resistance at 20°C max. Ω /km
		inch	mm		
▶ 37930415	16 AWG ($\approx 84/34$) / 4c	0.378	6.9	94	13.3
▶ 37930425	14 AWG ($\approx 140/34$) / 4c	0.433	11.0	125	7.98

Other dimensions and colors are possible on request.

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Web site: www.sabcable.com