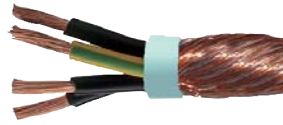




## SAB<sub>clean</sub> RT 123 D TP (B) Clean Room Torsion Cable



300V CSA AWM I/II A/B 80°C 300V FT1 FT2 3793

Marking for SAB<sub>clean</sub> RT 123 D TP (B) 37939001:

SAB BRÖCKSKES · D-VIERSEN · SAB<sub>clean</sub> RT 123 D TP (B) AWM Style 20233 80°C 300V CSA AWM I/II A/B 80°C 300V FT1 FT2 37939001 CE

This 300 V UL recognition, 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 recognition, 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, extra fine wires acc. to VDE 0812
<b>Insulation:</b>	TPE 531
<b>Colour code:</b>	color code US 2 see N/25
<b>Stranding:</b>	conductors twisted to pairs, specially adjusted layering
<b>Wrapping:</b>	non-woven tape
<b>Screen:</b>	wrapped with bare copper wires
<b>Drain wire:</b>	bare copper strands, extra fine wires 0,34 mm <sup>2</sup>
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	TPE 840
<b>Jacket color:</b>	white green

### Technical data:

<b>Peak operating voltage:</b>	<b>DIN VDE</b> max. 350 V <b>UL/CSA</b> 300 V
<b>Testing voltage:</b>	conductor/conductor 1500 V conductor/screen 1200 V
<b>Torsion angle:</b>	up to ± 450°/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> <i>flexing:</i>	<b>DIN VDE:</b> -50/+70°C <b>UL/CSA:</b> up to +80°C
<b>Clean Room classification:</b>	US Federal Standard Air Cleanliness Class 1 EN ISO 13644-1 Air Cleanliness Class 1
<b>Absence of harmful substances:</b>	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/28

### Outstanding features:

- rugged and reliable
- torsion angle up to ± 450° per 0.5 m (19.685 inches)

item no.	dimensions	average outer-Ø inch	mm	cable weight ≈ lbs/mft	DC resistance at 20°C max. Ω/km
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➤ 37939001 22 AWG / 3pr 0.303 7.7 44 58.0

Other dimensions and colors are possible on request.