

# Torsion Cables

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

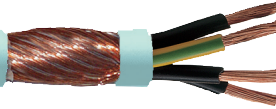
TPE Cleanroom shielded torsional cable  $\pm 360^\circ$  torsion over 1 m

torsional/twisting  
angle up to  $\pm 360^\circ$

SAB<sup>clean</sup>

SAB<sup>Robot</sup>

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



Marking for SAB<sup>clean</sup> RT 793 D 37930415:

SAB BRÜCKSKES · D-VIERSEN · 4 x 1.5 mm<sup>2</sup> SAB Clean RT 793 D 16 AWG/4c 37930415 UL 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>Color code:</b>	black conductors with consecutive white numbers acc. to EN 50334 + VDE 0293-334 and green/yellow ground from 3 conductors
<b>Stranding:</b>	conductors twisted with specially adjusted layering
<b>Wrapping:</b>	non-woven tape
<b>Shielding:</b>	wrapped with bare copper wires
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	TPE
<b>Jacket color:</b>	white green (RAL 6019)

### Technical data:

<b>Nominal voltage:</b>	Uo/U 300/500 V	
<b>Voltage UL/CSA:</b>	600 V	
<b>Testing voltage:</b>	conductor/conductor: 3000 V conductor/shielding: 2000 V	
<b>Torsion angle:</b>	up to $\pm 360^\circ/1$ m (tested)	
<b>Min. bending radius:</b> <i>continuously flexible:</i>	7.5 x O.D.	
<b>Temperature range:</b> <i>static:</i>	DIN VDE -50/+70°C	UL/CSA: up to +80°C
<b>motion:</b>	-40/+70°C	up to +80°C
<b>Air cleanliness class 1:</b>	acc. to ISO 14644-1	
<b>Approvals:</b>	UR AWM, CSA AWM, EAC, CE, RoHS	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30	

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### Outstanding features:



- rugged and reliable
- torsion angle up to  $\pm 360^\circ$  over 1 meter

item no.	dimensions	outer-ø		cable weight ≈lbs/mft	ohmic resistance at 20°C max. Ω/km
		inch	mm		
▶ 37930505	20 AWG (≈ 28/34) / 5c	0.343	8.7	67	39.0
▶ 37930415	16 AWG (≈ 84/34) / 4c	0.378	9.6	97	13.3
▶ 37931215	16 AWG (≈ 84/34) / 12c	0.555	14.1	213	13.3
▶ 37930225	14 AWG (≈ 140/34) / 2c	0.386	9.8	94	7.98
▶ 37930425	14 AWG (≈ 140/34) / 4c	0.433	11.0	129	7.98

Other dimensions and colors are possible on request.



Cleanroom classification  
ISO 14644-1  
Air Cleanliness Class 1