

# Torsion Cables

## RT 113 D

Spiral shielded economical torsional cable for moderate torsional stress  
±270° torsion over 0.5 m



Marking for RT 113 D 7982612:

SAB BRÖCKSKES · D-VIERSEN · 7981201 12 x 0.14 mm<sup>2</sup> RT 113 D 26 AWG/12c 7982612 AWM Style 2464 80°C 300V CE

### Construction:

<b>Conductor:</b>	bare copper strands, extra fine wires
<b>Insulation:</b>	PVC, T12 acc. to EN 50363-3 + VDE 0207-363-3
<b>Color code:</b>	acc. to color code US 2, see page O/27
<b>Stranding:</b>	specially adjusted layering with non-woven tape over each layer and one additional non-woven tape over the outer layer
<b>Shielding:</b>	wrapped with bare copper wires
<b>Wrapping:</b>	non-woven tape
<b>Jacket material:</b>	PVC, TM5 acc. to EN 50363-4-1 + VDE 0207-363-4-1
<b>Jacket color:</b>	black (RAL 9005)

### Outstanding features:

- rugged and reliable
- torsion angle up to ± 270° per 0.5 meter

### Technical data:

<b>Peak operating voltage:</b>	max. 350 V	
<b>26 AWG - 22 AWG:</b>		
<b>Voltage UL:</b>	300 V	
<b>Testing voltage:</b>	conductor/conductor: 1500 V conductor/shielding: 1200 V	
<b>Torsion angle:</b>	up to ± 270°/0.5 m (tested)	
<b>Min. bending radius:</b>		
<i>continuously flexible:</i>	12 x O.D.	
<i>from 34 conductors:</i>	20 x O.D.	
<b>Temperature range:</b>	<b>DIN VDE</b>	<b>UL/CSA:</b> up to +80°C
<i>static:</i>	-40/+70°C	
<i>motion:</i>	+5/+70°C	
<b>Burning characteristics:</b>	acc. to IEC 60332-1-2 + VDE 0482-332-1-2, UL VW-1	
<b>Oil resistance:</b>	very good - TM5 acc. to IEC 50363-4-1 + VDE 0207-363-4-1	
<b>Continuous flexibility:</b>	very good	
<b>Approvals:</b>	UR AWM, CE, EAC, RoHS	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page O/30	

item no.	no. of conductors incl. ground	nominal outer-ø inch	mm	cable weight ≈lbs/mft
<b>► 26 AWG (≈ 18/38) ▪ 0.14 mm<sup>2</sup></b>				
7982612	12	0.331	8.4	59
<b>► 24 AWG (≈ 14/34) ▪ 0.25 mm<sup>2</sup></b>				
7982425	25	0.457	11.6	135

Other dimensions and colors are available on request

C  
8