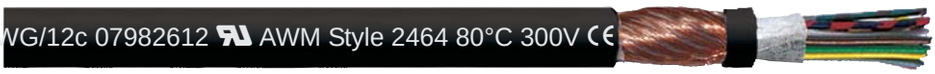
TORSION CABLES

torsion/twisting angle up to ± 270° per 19.685 inches

RoHS

RT 113 D

Spiral shielded economical torsional cable for moderate torsional stress



Marking for RT 113 D 07982612:
SAB BRÖCKSKES · D-VIERSEN · 07981201 12 x 0.14 mm² RT 113 D 26 AWG/12c 07982612 AWM Style 2464 80°C 300V

This 300 V UL recognized cable is rated for 80°C and used in applications where moderate twisting stress occur. This cable accurately transmits control signals and power supply to rotary tables and other automated applications. The high quality UL recognized PVC jacket is oil resistant and passes the stringent VDE-Oil test. The overall tinned 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, extra fine wires
Insulation:	PVC TI2 acc. to DIN VDE 0281 part 1 + HD 21.1
Color code:	to color code US 2 see page N/25
Stranding:	specially adjusted layering with netting tape over each layer and one additional non-woven tape over the outer layer
Screen:	wrapped with bare copper wires
Wrapping:	non-woven tape
Jacket material:	PVC TM5 acc. to DIN VDE 0281 part 1 HD 21.1
Jacket color:	black

Outstanding features:

- **rugged and reliable**
- **torsion angle up to ± 270° per 0.5 m (19.685 inches)**

Technical data:

Voltage:	**UL:** 300 V
Peak operating voltage:	max. 350 V
Testing voltage U:	1500 V acc. to DIN VDE 0472 part 509 conductor/screen 1200 V
Torsion angle:	up to ± 270°/0.5 m (tested)
Min. bending radius:	continuous flexing 12 x O.D. from 34 conductors 20 x O.D.
Temperature range	**DIN VDE:** **UL:**
static:	-40/+70°C up to +80°C
flexing:	+ 5/+70°C
Burning characteristics:	UL VW1, IEC 60332-1-2 and EN 60332-1-2
Oil resistance:	very good - TM5 acc. to DIN VDE 0281 part 1 + HD 21.1
Continuous flexibility:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/28

item no.	no. of conductors	nominal outer-ø inch	mm	cable weight ≈ lbs/mft
► **26 AWG (≈ 18/38) • 0.14 mm²**				
07982612	12	0.346	8.8	57
► **24 AWG (≈ 14/34) • 0.25 mm²**				
07982425	25	0.472	12.0	126

Other dimensions and colors are possible on request.