

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 mm² RT 113 D 26 AWG/12c 7982612 AWM Style 2464 80°C 300V CE

Construction:

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

Outstanding features:

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

Technical data:

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

item no.	no. of conductors	outer-ø		cable weight ≈lbs/mft
		inch ± 10%	mm ± 10%	
▶ 26 AWG (≈ 18/38) ▪ 0.14 mm²				
7982612	12	0.331	8.4	59
▶ 24 AWG (≈ 14/34) ▪ 0.25 mm²				
7982425	25	0.457	11.6	135

Other dimensions and colors are available on request

US 2 color code:

#1- black, #2- white, #3- red, #4- green, #5- orange, #6- blue, #7- white-black, #8- red-black, #9- green-black, #10- orange-black, #11- blue-black, #12- black-white, #13- red-white, #14- green-white, #15- blue-white, #16- black-red, #17- white-red, #18- orange-red, #19- blue-red, #20- red-green, #21- orange-green, #22- black-white-red, #23- white-black-red, #24- red-black-white, #25- green-black-white