



## RT 123 D PUR torsion cable with overall copper screen, torsion angle up to $\pm 450^\circ$ over 0.5 m

21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 CE



Marking for RT 123 D 07961815:

SAB BRÖCKSKES · D-VIERSEN · 07961815 18 x 1.5 mm<sup>2</sup> RT 123 D 16 AWG/18c 07961618 AWM Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

### Construction:

<b>Conductor</b> 0,14 mm <sup>2</sup> - 0,34 mm <sup>2</sup> :	bare copper strands, extra fine wires
<b>Conductor</b> from 0,50 mm <sup>2</sup> :	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
<b>Insulation:</b>	TPE
<b>Colour code</b> 0,14 mm <sup>2</sup> - 0,34 mm <sup>2</sup> :	acc. to colour code US 2 see page N/11
<b>Colour code</b> from 0,50 mm <sup>2</sup> :	black cores with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 cores
<b>Stranding:</b>	specially adjusted layering with netting tape over each layer and one additional non-woven tape over the outer layer
<b>Screen:</b>	wrapped with bare copper wires
<b>Wrapping:</b>	non-woven tape
<b>Sheath material:</b>	PUR, TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
<b>Sheath colour:</b>	black (RAL 9005)

### Technical data:

<b>Voltage</b> 0,14 mm <sup>2</sup> - 0,34 mm <sup>2</sup> :	<b>UL/CSA:</b> 300 V		
<b>Voltage</b> from 0,50 mm <sup>2</sup> :	<b>UL/CSA:</b> 600 V		
<b>Peak operating voltage</b> 0,14 mm <sup>2</sup> - 0,34 mm <sup>2</sup> :	max. 350 V		
<b>Nominal voltage U<sub>0</sub>/U</b> from 0,50 mm <sup>2</sup> :	<b>DIN VDE:</b> 300/500 V		
<b>Testing voltage U</b> 0,14 mm <sup>2</sup> - 0,34 mm <sup>2</sup> :	1500 V acc. to DIN VDE 0472 part 509 core/screen 1200 V		
<b>Testing voltage U</b> from 0,50 mm <sup>2</sup> :	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2, core/screen 2000 V		
<b>Torsion angle:</b>	up to $\pm 450^\circ/0,5$ m (tested)		
<b>Min. bending radius:</b>	continuously flexible 12 x d / from 34 cores 20 x d		
<b>Radiation resistance:</b>	5 x 10 <sup>7</sup> cJ/kg		
<b>Temperature range</b> <i>fixed laying:</i>	<b>UL</b> up to +80°C	<b>CSA</b> up to +80°C	<b>DIN VDE</b> -50/+90°C
<i>flexible application:</i>	up to +80°C	up to +80°C	-40/+90°C
<b>Halogen-free:</b>	acc. to DIN VDE 0472 part 815 + IEC 60754-1		
<b>Fire performance:</b>	acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1, CSA FT1 + FT2		
<b>Oil resistance:</b>	very good - PUR TMPU acc. to DIN VDE 0282 part 10 + HD 22.10		
<b>Chem. resistance:</b>	good against acids, alkalines, solvents, hydraulic liquids etc.		
<b>Continuous flexibility:</b>	very good		
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/17		

### Outstanding features:

- rugged and reliable
- torsion angle up to  $\pm 450^\circ$  over 0,5 m
- EAC approval

item no.	no. of cores x cross section n x mm <sup>2</sup>	largest single wire Ø mm	outer-Ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
07961201	12 x 0,14	0,11	8,5	30,2	79
07962502	25 x 0,25	0,11	11,3	90,9	171
07960505	5 x 0,50	0,16	8,7	40,5	95
07960710	7 x 1,00	0,16	11,1	108,5	177
07961215	12 x 1,50	0,16	15,3	214,7	344
07961815	18 x 1,50	0,16	17,8	326,0	499

Other dimensions and colours are possible on request.



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