

RT 123 D

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 mm² 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:

Conductor 0,14 mm ² - 0,34 mm ² :	bare copper strands, extra fine wires
Conductor from 0,50 mm ² :	bare copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 6
Insulation:	TPE
Colour code 0,14 mm ² - 0,34 mm ² :	acc. to colour code US 2 see page N/11
Colour code from 0,50 mm ² :	black cores with consecutive numbers acc. to EN 50334; green-yellow earth wire from 3 cores
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
Sheath material:	PUR, TMPU acc. to DIN VDE 0282 part 10 + HD 22.10
Sheath colour:	black (RAL 9005)

Outstanding features:

- rugged and reliable
- torsion angle up to ± 450° over 0,5 m
- EAC approval

Technical data:

Voltage 0,14 mm ² - 0,34 mm ² :	UL/CSA: 300 V		
Voltage from 0,50 mm ² :	UL/CSA: 600 V		
Peak operating voltage 0,14 mm ² - 0,34 mm ² :	max. 350 V		
Nominal voltage U₀/U from 0,50 mm ² :	DIN VDE: 300/500 V		
Testing voltage U 0,14 mm ² - 0,34 mm ² :	1500 V acc. to DIN VDE 0472 part 509 core/screen 1200 V		
Testing voltage U from 0,50 mm ² :	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2, core/screen 2000 V		
Torsion angle:	up to ± 450°/0,5 m (tested)		
Min. bending radius:	continuously flexible 12 x d / from 34 cores 20 x d		
Radiation resistance:	5 x 10 ⁷ cJ/kg		
Temperature range <i>fixed laying:</i>	UL up to +80°C	CSA up to +80°C	DIN VDE -50/+90°C
<i>flexible application:</i>	up to +80°C	up to +80°C	-40/+90°C
Halogen-free:	acc. to DIN VDE 0472 part 815 + IEC 60754-1		
Fire performance:	acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1, CSA FT1 + FT2		
Oil resistance:	very good - PUR TMPU acc. to DIN VDE 0282 part 10 + HD 22.10		
Chem. resistance:	good against acids, alkalines, solvents, hydraulic liquids etc.		
Continuous flexibility:	very good		
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/17		

item no.	no. of cores x cross section n x mm ²	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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for applications
on robots!