



RT 123 PUR torsion cable, torsion angle up to $\pm 450^\circ$ over 0.5 m



AWM Style 21060 80°C 600V CSA AWM I/II A/B 80°C 600V FT1 FT2 CE

Marking for RT 123 07951815:

SAB BRÖCKSKES · D-VIERSEN · 07951815 18 x 1.5 mm² RT 123 16 AWG/18 c 07951618 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
Sheath material:	PUR, TPU acc. to DIN VDE 0282 part 10 + HD 22.10
Sheath colour:	black (RAL 9005)

Outstanding features:

- rugged and reliable
- torsion angle up to $\pm 450^\circ$ 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 mm²:	UL/CSA: max. 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		
Testing voltage U from 0,50 mm ² :	3000 V acc. to DIN VDE 0281 part 2 + HD 21.2		
Torsion angle:	up to $\pm 450^\circ/0,5$ 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> <i>flexible application:</i>	UL up to +80°C up to +80°C	CSA up to +80°C up to +80°C	DIN VDE -50/+90°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 TPU 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		

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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
07950301	3 x 0,14	0,11	5,5	4,0	31
07950401	4 x 0,14	0,11	5,7	5,4	34
07950302	3 x 0,25	0,11	5,8	7,2	37
07950402	4 x 0,25	0,11	6,1	9,6	41
07950702	7 x 0,25	0,11	7,2	16,8	60
07952502	25 x 0,25	0,11	10,7	60,0	144
07950203	2 x 0,34	0,11	5,8	6,5	38

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
07951805	18 x 0,50	0,16	12,5	95,0	205
07952505	25 x 0,50	0,16	14,7	132,0	287
07950407	4 x 0,75	0,16	8,0	28,8	79
07951407	14 x 0,75	0,16	12,6	100,8	204
07950210	2 x 1,00	0,16	7,5	19,2	68
07950310	3 x 1,00	0,16	7,8	28,8	78
07950410	4 x 1,00	0,16	8,4	38,4	93
07950610	6 x 1,00	0,16	9,7	57,6	129
07950710	7 x 1,00	0,16	10,3	67,2	147
07951210	12 x 1,00	0,16	12,6	115,2	217
07951810	18 x 1,00	0,16	14,9	172,8	318
07952510	25 x 1,00	0,16	17,2	240,0	437
07953410	34 x 1,00	0,16	20,0	326,4	564
07954010	40 x 1,00	0,16	21,4	384,0	661
07954110	41 x 1,00	0,16	21,4	393,6	673
07950715	7 x 1,50	0,16	11,7	100,8	200
07951215	12 x 1,50	0,16	14,7	172,8	307
07951815	18 x 1,50	0,16	17,1	259,2	442
07952515	25 x 1,50	0,16	20,0	360,0	618
07950325	3 x 2,50	0,16	10,4	72,0	151
07950425	4 x 2,50	0,16	11,2	96,0	182
07950340	3 x 4,00	0,16	12,1	115,2	211
07950361	3 x 10,0	0,21	18,0	288,0	475
07950362	3 x 16,0	0,21	20,4	460,8	698
07950363	3 x 25,0	0,21	25,6	720,0	1066
07950364	3 x 35,0	0,21	28,4	1008,0	1386

Other dimensions and colours are possible on request.



Also suitable
for applications
on robots!