

# RT 113

PVC 토션용 케이블 (토션 앵글 : 0.5m에서 최대  $\pm 270^\circ$ , UL/CSA 승인)



21216 90°C Oil 60°C 600V CSA AWM I/II A/B 90°C F 600V FT1 FT2

Marking for RT 113 07971815: SAB BRÜCKSKES · D-VIERSEN ·

07971815 18 x 1.5 mm<sup>2</sup> RT 113 16 AWG/18 c 07961618 AWM Style 21216 90°C Oil 60°C 600V CSA AWM I/II A/B 90°C F 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>	PVC, TI2 acc. to DIN VDE 0281 part 1 + HD 21.1
<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>Sheath material:</b>	PVC, TM5 acc. to DIN VDE 0281 part 1 + HD 21.1
<b>Sheath colour:</b>	black (RAL 9005)

## Outstanding features:

- rugged and reliable
- torsion angle up to  $\pm 270^\circ$  over 0,5 m
- EAC approval

## Technical data:

<b>Voltage</b> 0,14 mm <sup>2</sup> - 0,34 mm <sup>2</sup> :	<b>UL:</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	
<b>Testing voltage U</b> from 0,50 mm <sup>2</sup> :	2000 V acc. to DIN VDE 0281 part 2 + HD 21.2	
<b>Torsion angle:</b>	up to $\pm 270^\circ/0,5$ m (tested)	
<b>Min. bending radius:</b>	continuously flexible 12 x d / from 34 cores 20 x d	
<b>Temperature range</b> 0,14 mm <sup>2</sup> - 0,34 mm <sup>2</sup> <i>fixed laying:</i>	<b>UL</b> up to +80°C	<b>DIN VDE</b> -40/+70°C
<i>flexible application:</i>	up to +80°C	+ 5/+70°C
<b>Temperature range</b> from 0,50 mm <sup>2</sup> <i>fixed laying:</i>	<b>UL/CSA</b> up to +90°C	<b>DIN VDE</b> -40/+70°C
<i>flexible application:</i>	up to +90°C	+ 5/+70°C
<b>Fire performance</b> 0,14 mm <sup>2</sup> - 0,34 mm <sup>2</sup> :	acc. to IEC 60332-1-2 + EN 60332-1-2, UL VW-1	
<b>Fire performance</b> from 0,50 mm <sup>2</sup> :	acc. to IEC 60332-1, UL VW-1, CSA FT1 + FT2	
<b>Oil resistance:</b>	very good - TM5 acc. to DIN VDE 0281 part 1 + HD 21.1, oilrating 60°C acc. to UL 758, Fuel-Oil acc. to CSA C22.2 No. 210.2-M90	
<b>Continuous flexibility:</b>	very good	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/17	

### UL / CE

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
07970301	3 x 0,14	0,11	5,2	4,0	32
07970401	4 x 0,14	0,11	5,6	5,4	36
07970302	3 x 0,25	0,11	5,6	7,2	38
07970402	4 x 0,25	0,11	5,9	9,6	43
07970702	7 x 0,25	0,11	7,3	18,8	66
07972602	25 x 0,25	0,11	11,4	60,0	172
07970203	2 x 0,34	0,11	5,5	6,5	39

### UL / CSA / CE

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
07972505	25 x 0,50	0,16	14,8	132,0	318
07970407	4 x 0,75	0,16	7,5	28,8	79
07970707	7 x 0,75	0,16	10,2	67,2	157
07971407	14 x 0,75	0,16	12,7	100,8	225
07970210	2 x 1,00	0,16	6,8	19,2	65
07970310	3 x 1,00	0,16	7,2	28,8	77
07970410	4 x 1,00	0,16	7,9	38,4	93
07971210	12 x 1,00	0,16	12,6	115,2	234
07971810	18 x 1,00	0,16	14,8	172,8	340
07972510	25 x 1,00	0,16	17,2	240,0	473
07973410	34 x 1,00	0,16	20,2	326,4	616
07974110	41 x 1,00	0,16	21,6	393,6	735
07971815	18 x 1,50	0,16	16,5	259,2	456
07972515	25 x 1,50	0,16	19,3	360,0	638
07970325	3 x 2,50	0,16	10,2	72,0	160
07970425	4 x 2,50	0,16	11,1	96,0	194
07970340	3 x 4,00	0,16	12,3	115,2	234
07970361	3 x 10,0	0,21	18,5	288,0	548
07970362	3 x 16,0	0,21	21,1	460,8	794
07970363	3 x 25,0	0,21	23,9	720,0	1128
07970364	3 x 35,0	0,21	28,9	1008,0	1555

Other dimensions and colours are possible on request.



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