

# DEVICENET™ CABLES

**DN 650** PVC DeviceNet™ cable with overall copper screen and UL recognition

**DN 651** Flexible PVC DeviceNet™ cable with a static screen and UL recognition



Marking for DN 650 06502241: SAB BRÖCKSKES · D-VIERSEN · DN 650 2x0,24mm<sup>2</sup> + 2x0,38mm<sup>2</sup> 06502241  
24 AWG/1pr + 22 AWG/1pr Low Voltage Computer Cable AWM Style 2560 60°C 30V CE





## General construction:

<b>Wrapping:</b>	each pair wrapped with alu foil
<b>Wrapping:</b>	non-woven tape
<b>Sheath material:</b>	PVC, TM1 acc. to DIN VDE 0281 part 1
<b>Sheath colour:</b>	redlilac (RAL 4001)

## Technical data:

<b>Voltage UL:</b>	30 V	
<b>Peak operating voltage:</b>	max. 350 V	
<b>Testing voltage:</b>	1500 V	
<b>Min. bending radius</b>	fixed laying:	7,5 x d
	flexible application:	15 x d
<b>Temperature range</b>	<b>DIN/VDE:</b>	<b>UL:</b>
<i>fixed laying:</i>	-30/+70 °C	up to +60 °C
<i>flexible application:</i>	- 5/+70 °C	
<b>Characteristic impedance at 1 MHz:</b>	120 Ω ± 10%	
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union see page N/17	

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	 DN 650 Drop Cable 2 x 0,24 mm <sup>2</sup> + 2 x 0,38 mm <sup>2</sup>	 DN 650 Trunk Cable 2 x 0,96 mm <sup>2</sup> + 2 x 1,53 mm <sup>2</sup>	 DN 651 Drop Cable 2 x 0,24 mm <sup>2</sup> + 2 x 0,38 mm <sup>2</sup>	 DN 651 Trunk Cable 2 x 0,96 mm <sup>2</sup> + 2 x 1,53 mm <sup>2</sup>
► <b>Conductor:</b> 0,24 mm <sup>2</sup> tinned copper strands 0,38 mm <sup>2</sup> tinned copper strands	AWG 24/19 AWG 22/19	– –	AWG 24/19 AWG 22/19	– –
► <b>Conductor:</b> 0,96 mm <sup>2</sup> tinned copper strands 1,53 mm <sup>2</sup> tinned copper strands	– –	AWG 18/19 AWG 15/19	– –	AWG 18/19 AWG 15/19
► <b>Insulation:</b>	0,24 mm <sup>2</sup> : acc. to DINVDE 0819 part 103 (02Y11) 0,38 mm <sup>2</sup> : PVC, TI2 acc. to DIN VDE 0281 part1	0,96 mm <sup>2</sup> : acc. to DINVDE 0819 part 103 (02Y11) 1,53 mm <sup>2</sup> : PVC, TI2 acc. to DIN VDE 0281 part1	0,24 mm <sup>2</sup> : acc. to DINVDE 0819 part 103 (02Y11) 0,38 mm <sup>2</sup> : PVC, TI2 acc. to DIN VDE 0281 part 1	0,96 mm <sup>2</sup> : acc. to DINVDE 0819 part 103 (02Y11) 1,53 mm <sup>2</sup> : PVC, TI2 acc. to DIN VDE 0281 part 1
► <b>Colour code:</b> 0,24 mm <sup>2</sup> : data pair white and light blue 0,38 mm <sup>2</sup> : supply pair black and red	X X	– –	X X	– –
► <b>Colour code:</b> 0,96 mm <sup>2</sup> : data pair white and light blue 1,53 mm <sup>2</sup> : supply pair black and red	– –	X X	– –	X X
► <b>Stranding:</b> cores 0,24 mm <sup>2</sup> twisted to pair and cores 0,38 mm <sup>2</sup> twisted to pair	X X	– –	X X	– –
► <b>Stranding:</b> cores 0,96 mm <sup>2</sup> twisted to pair and cores 1,53 mm <sup>2</sup> twisted to pair	– –	X X	– –	X X
► <b>Total stranding:</b> pairs twisted together with tinned copper drain wire	AWG 22/19	AWG 18/19	AWG 22/19	AWG 18/19
► <b>Screen:</b>	tinned copper braiding	tinned copper braiding	Alu foil	Alu foil

item no.	type	no. of pairs x cross section mm <sup>2</sup>	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈kg/km
06502241	DN 650 (Drop Cable)	2 x 0,24 + 2 x 0,38	6,1 - 7,1	41,2	74
06502781	DN 650 (Trunk Cable)	2 x 0,96 + 2 x 1,53	10,4 - 12,4	98,7	166
06512241	DN 651 (Drop Cable)	2 x 0,24 + 2 x 0,38	6,1 - 7,1	16,4	57
06512781	DN 651 (Trunk Cable)	2 x 0,96 + 2 x 1,53	10,4 - 12,4	58,4	116

Other dimensions and colours are possible on request.