

# DeviceNet™ Cables



**DN 651** Flexible PVC DeviceNet™ cable with a foil shield and UL recognition

**DN 650** Flexible PVC DeviceNet™ cable with a tinned copper shield and UL recognition

Computer Cable AWM Style 2560 60°C 30V CE



Marking for DN 650 6502241:

SAB BRÜCKSKES · D-VIERSEN · DN 650 2x0.24mm<sup>2</sup>+2x0.38mm<sup>2</sup> 6502241 24AWG/1pr+22AWG/1pr

Low Voltage Computer Cable AWM Style 2560 60°C 30V CE

<b>Construction:</b>	DN 651 Drop Cable	DN 651 Trunk Cable	DN 650 Drop Cable	DN 650 Trunk Cable
<b>Item numbers:</b>	6512241	6512781	6502241	6502781
<b>Dimensions:</b>	2 x 0.24 mm <sup>2</sup> + 2 x 0.38 mm <sup>2</sup>	2 x 0.96 mm <sup>2</sup> + 2 x 1.53 mm <sup>2</sup>	2 x 0.24 mm <sup>2</sup> + 2 x 0.38 mm <sup>2</sup>	2 x 0.96 mm <sup>2</sup> + 2 x 1.53 mm <sup>2</sup>
<b>Conductor:</b> 0.25 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 EN 50290-2-23 (02Y11) 0.38 mm <sup>2</sup> : PVC, TI2 acc. to EN 50363-3	0.96 mm <sup>2</sup> : acc. to EN 50290-2-23 (02Y11) 1.53 mm <sup>2</sup> : PVC, TI2 acc. to EN 50363-3	0.24 mm <sup>2</sup> : acc. to EN 50290-2-23 (02Y11) 0.38 mm <sup>2</sup> : PVC, TI2 acc. to EN 50363-3	0.96 mm <sup>2</sup> : acc. to EN 50290-2-23 (02Y11) 1.53 mm <sup>2</sup> : PVC, TI2 acc. to EN 50363-3
<b>Color code:</b>	0.24 mm <sup>2</sup> /0.96 mm <sup>2</sup> : data pair white and light blue; 0.38 mm <sup>2</sup> /1.53 mm <sup>2</sup> : supply pair black and red		0.24 mm <sup>2</sup> /0.96 mm <sup>2</sup> : data pair white and light blue; 0.38 mm <sup>2</sup> /1.53 mm <sup>2</sup> : supply pair black and red	
<b>Wrapping:</b>	conductors twisted to pairs stranded with alu foil		conductors twisted to pairs stranded with alu foil	
<b>Stranding:</b>	pairs in specially adjusted layering, tinned copper drain wire in core		pairs in specially adjusted layering, tinned copper drain wire in core	
<b>Shielding:</b>	alu. foil	alu. foil	tinned copper braiding	tinned copper braiding
<b>Wrapping:</b>	non-woven tape	non-woven tape	non-woven tape	non-woven tape
<b>Jacket material:</b>	PVC, TM1 acc. to EN 50363-4-1 + VDE 0207-363-4-1		PVC, TM1 acc. to EN 50363-4-1 + VDE 0207-363-4-1	
<b>Jacket color:</b>	red lilac (RAL 4001)	red lilac (RAL 4001)	red lilac (RAL 4001)	red lilac (RAL 4001)

<b>Technical data:</b>	DN 651 Drop Cable	DN 651 Trunk Cable	DN 650 Drop Cable	DN 650 Trunk Cable
<b>Peak operating voltage:</b>	max. 350 V	max. 350 V	max. 350 V	max. 350 V
<b>Voltage UL:</b>	30 V	30 V	30 V	30 V
<b>Testing voltage:</b> conductor/conductor: conductor/shielding:	1500 V 1200 V	1500 V 1200 V	1500 V 1200 V	1500 V 1200 V
<b>Min. bending radius:</b> fixed installation: free movement:	7.5 x O.D. 15 x O.D.	7.5 x O.D. 15 x O.D.	7.5 x O.D. 15 x O.D.	7.5 x O.D. 15 x O.D.
<b>Temperature range:</b> static: flexible:	UL: up to +60°C -30/+70°C -5/+70°C	UL: up to +60°C -30/+70°C -5/+70°C	UL: up to +60°C -30/+70°C -5/+70°C	UL: up to +60°C -30/+70°C -5/+70°C
<b>Characteristic impedance:</b>	120 Ω ± 10%	120 Ω ± 10%	120 Ω ± 10%	120 Ω ± 10%
<b>UL Style:</b>	2560	2560	2560	2560
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see page O/30			

item no.	type	no. of data conductors	no. of power conductors	outer-ø		cable weight ≈ lbs/mft
				inch	mm	
▶ 6512241	DN 651 (Drop Cable)	24 AWG/1pr	22 AWG/1pr	0.240 - 0.280	6.1 - 7.1	38
▶ 6512781	DN 651 (Trunk Cable)	18 AWG/1pr	15 AWG/1pr	0.410 - 0.488	10.4 - 12.4	78
▶ 6502241	DN 650 (Drop Cable)	24 AWG/1pr	22 AWG/1pr	0.240 - 0.280	6.1 - 7.1	42
▶ 6502781	DN 650 (Trunk Cable)	18 AWG/1pr	15 AWG/1pr	0.410 - 0.488	10.4 - 12.4	103

Other dimensions and colors are available on request

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