

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 2x0,24mm² + 2x0,38mm² 06502241
24 AWG/1pr + 22 AWG/1pr Low Voltage Computer Cable AWM Style 2560 60°C 30V CE





General construction:

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

Technical data:

Voltage UL:	30 V	
Peak operating voltage:	max. 350 V	
Testing voltage:	1500 V	
Min. bending radius	fixed laying:	7,5 x d
	flexible application:	15 x d
Temperature range	DIN/VDE:	UL:
<i>fixed laying:</i>	-30/+70 °C	up to +60 °C
<i>flexible application:</i>	- 5/+70 °C	
Characteristic impedance at 1 MHz:	120 Ω ± 10%	
Absence of harmful substances:	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 ² + 2 x 0,38 mm ²	 DN 650 Trunk Cable 2 x 0,96 mm ² + 2 x 1,53 mm ²	 DN 651 Drop Cable 2 x 0,24 mm ² + 2 x 0,38 mm ²	 DN 651 Trunk Cable 2 x 0,96 mm ² + 2 x 1,53 mm ²
► Conductor: 0,24 mm ² tinned copper strands 0,38 mm ² tinned copper strands	AWG 24/19 AWG 22/19	– –	AWG 24/19 AWG 22/19	– –
► Conductor: 0,96 mm ² tinned copper strands 1,53 mm ² tinned copper strands	– –	AWG 18/19 AWG 15/19	– –	AWG 18/19 AWG 15/19
► Insulation:	0,24 mm ² : acc. to DINVDE 0819 part 103 (02Y11) 0,38 mm ² : PVC, TI2 acc. to DIN VDE 0281 part1	0,96 mm ² : acc. to DINVDE 0819 part 103 (02Y11) 1,53 mm ² : PVC, TI2 acc. to DIN VDE 0281 part1	0,24 mm ² : acc. to DINVDE 0819 part 103 (02Y11) 0,38 mm ² : PVC, TI2 acc. to DIN VDE 0281 part 1	0,96 mm ² : acc. to DINVDE 0819 part 103 (02Y11) 1,53 mm ² : PVC, TI2 acc. to DIN VDE 0281 part 1
► Colour code: 0,24 mm ² : data pair white and light blue 0,38 mm ² : supply pair black and red	X X	– –	X X	– –
► Colour code: 0,96 mm ² : data pair white and light blue 1,53 mm ² : supply pair black and red	– –	X X	– –	X X
► Stranding: cores 0,24 mm ² twisted to pair and cores 0,38 mm ² twisted to pair	X X	– –	X X	– –
► Stranding: cores 0,96 mm ² twisted to pair and cores 1,53 mm ² twisted to pair	– –	X X	– –	X X
► Total stranding: pairs twisted together with tinned copper drain wire	AWG 22/19	AWG 18/19	AWG 22/19	AWG 18/19
► Screen:	tinned copper braiding	tinned copper braiding	Alu foil	Alu foil

item no.	type	no. of pairs x cross section mm ²	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.