

DEVICENET™ CABLES



DN 650 Shielded PVC DeviceNet™ cable with 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

DeviceNet™ is based on proven CAN-technology for rapid data exchange. Trunk Cable and Drop Cable configuration (Trunk Cable: main rope; Drop Cable: service cable). DeviceNet™ is a connection-oriented network. Application as highly flexible Bus cable.

item no.	type	no. of data conductors	no. of power conductors	nominal outer-ø inch	mm	cable weight ≈ lbs/mt
▶ 06502241	DN 650 (Drop Cable)	24 AWG/1pr	22 AWG/1pr	0.260	6.6	50
▶ 06502781	DN 650 (Trunk Cable)	18 AWG/1pr	15 AWG/1pr	0.449	11.4	112
▶ 06512241	DN 651 (Drop Cable)	24 AWG/1pr	22 AWG/1pr	0.260	6.6	38
▶ 06512781	DN 651 (Trunk Cable)	18 AWG/1pr	15 AWG/1pr	0.449	11.4	78

Other dimensions and colors are possible on request.

General construction:

Wrapping:	each pair wrapped with alu foil
Wrapping:	non-woven tape
Jacket material:	PVC, TM1 acc. to DIN VDE 0281 part 1
Jacket color:	purple

Technical data:

Voltage UL:	30 V
Peak operating voltage:	max. 350 V
Testing voltage:	1500 V
Min. bending radius:	fixed laying 7.5 x O.D. flexible application 15 x O.D.
Temperature range	DIN VDE UL: up to +60 °C <i>static:</i> -30/+70 °C <i>flexing:</i> -5/+70 °C
Characteristic impedance at 1 MHz:	120 Ω ± 10%
Absence of harmful substances:	acc. to RoHS-guideline 2002/95/EG as well as GefStoffV appendix IV-no. 24, see page N/28



	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 DIN VDE 0819 part 103 (02Y11) 0.38 mm ² : PVC, TI2 acc. to DIN VDE 0281 part 1	0.96 mm ² : acc. to DIN VDE 0819 part 103 (02Y11) 1.53 mm ² : PVC, TI2 acc. to DIN VDE 0281 part 1	0.24 mm ² : acc. to DIN VDE 0819 part 103 (02Y11) 0.38 mm ² : PVC, TI2 acc. to DIN VDE 0281 part 1	0.96 mm ² : acc. to DIN VDE 0819 part 103 (02Y11) 1.53 mm ² : PVC, TI2 acc. to DIN VDE 0281 part 1
▶ Color code: 0.24 mm ² : data pair white and light blue 0.38 mm ² : supply pair black and red	X X	– –	X X	– –
▶ Color 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: conductors 0.24 mm ² twisted to pair and conductors 0.38 mm ² twisted to pair	X X	– –	X X	– –
▶ Stranding: conductors 0.96 mm ² twisted to pair and conductors 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