

DEVICENET™ CABLES

DN 656 Halogen-free, flexible DeviceNet™ cable with a static screen and UL recognition

DN 657 Halogen-free, flexible shielded DeviceNet™ cable



Marking for DN 656 06562241:

SAB BRÖCKSKES · D-VIERSEN · DN 656 2x0,24mm² + 2x0,38mm² 06562241 24 AWG/1pr + 22 AWG/1pr AWM Style 21080 75°C 300V 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- ϕ inch	mm	cable weight \approx lbs/mft
▶ 06562241	DN 656 (Drop Cable)	24 AWG/1pr	22 AWG/1pr	0.260	6.6	38
▶ 06562781	DN 656 (Trunk Cable)	18 AWG/1pr	15 AWG/1pr	0.449	11.4	81
▶ 06572241	DN 657 (Drop Cable)	24 AWG/1pr	22 AWG/1pr	0.260	6.6	50
▶ 06572781	DN 657 (Trunk Cable)	18 AWG/1pr	15 AWG/1pr	0.449	11.4	123

Other dimensions and colors are possible on request.

General construction:

Wrapping:	each pair wrapped with alu foil
Wrapping:	non-woven tape
Jacket material:	SABIX® 231
Jacket color:	purple

Technical data:

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.
Zero halogen:	acc. to DIN VDE 0472 part 815 + IEC60754-1
Characteristic impedance at 1 MHz:	120 Ω \pm 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 656 Drop Cable 2 x 0.24 mm ² + 2 x 0.38 mm ²	DN 656 Trunk Cable 2 x 0.96 mm ² + 2 x 1.53 mm ²	DN 657 Drop Cable 2 x 0.24 mm ² + 2 x 0.38 mm ²	DN 657 Trunk Cable 2 x 0.96 mm ² + 2 x 1.53 mm ²
▶ Conductor: 0.24 mm ² tinned copper strands	AWG 24/19	–	AWG 24/19	–
0.38 mm ² tinned copper strands	AWG 22/19	–	AWG 22/19	–
▶ Conductor: 0.96 mm ² tinned copper strands	–	AWG 18/19	–	AWG 18/19
1.53 mm ² tinned copper strands	–	AWG 15/19	–	AWG 15/19
▶ Insulation:	0.24 mm ² : acc. to DIN VDE 0819 part 103 (02Y11) 0.38 mm ² : SABIX® 231	0.96 mm ² : acc. to DIN VDE 0819 part 103 (02Y11) 1.53 mm ² : SABIX® 231	0.24 mm ² : acc. to DIN VDE 0819 part 103 (02Y11) 0.38 mm ² : SABIX® 231	0.96 mm ² : acc. to DIN VDE 0819 part 103 (02Y11) 1.53 mm ² : SABIX® 231
▶ Color code: 0.24 mm ² : data pair white and light blue	X	–	X	–
0.38 mm ² : supply pair black and red	X	–	X	–
▶ Color code: 0.96 mm ² : data pair white and light blue	–	X	–	X
Color code: 1.53 mm ² : supply pair black and red	–	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:	alu foil	alu foil	tinned copper braiding	tinned copper braiding
▶ Voltage UL:	300 V	300 V	–	–
▶ Temperature range	UL: up to 75 °C	UL: up to 75 °C	–40/+70°C	–40/+70°C
<i>static:</i>	–40/+70°C	–40/+70°C	–30/+70°C	–30/+70°C
<i>flexing:</i>	–30/+70°C	–30/+70°C	–30/+70°C	–30/+70°C