

# DeviceNet™ Cables



**DN 656** Halogen-free, flexible DeviceNet™ cable with a foil shield and UL recognition

**DN 657** Halogen-free, flexible DeviceNet™ cable with tinned copper shield

22AWG/1pr AWM Style 21080 75°C 300V CE



Marking for DN 656 6562241:

SAB BRÖCKSKES · D-VIERSEN · DN 656 2x0.24mm<sup>2</sup>+2x0.38mm<sup>2</sup> 6562241 24AWG/1pr+22AWG/1pr AWM Style 21080 75°C 300V CE

<b>Construction:</b>				
	DN 656 Drop Cable	DN 656 Trunk Cable	DN 657 Drop Cable	DN 657 Trunk Cable
Item numbers:	6562241	6562781	6572241	6572781
Dimensions:	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>
Conductor: 0.24mm <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	— —
Conductor: 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
Insulation:	0.24 mm <sup>2</sup> : acc. to EN 50290-2-23 (02Y11) 0.38 mm <sup>2</sup> : SABIX®	0.96 mm <sup>2</sup> : acc. to EN 50290-2-23 (02Y11) 1.53 mm <sup>2</sup> : SABIX®	0.24 mm <sup>2</sup> : acc. to EN 50290-2-23 (02Y11) 0.38 mm <sup>2</sup> : SABIX®	0.96 mm <sup>2</sup> : acc. to EN 50290-2-23 (02Y11) 1.53 mm <sup>2</sup> : SABIX®
Color code:	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	
Wrapping:	conductors twisted to pairs stranded with alu foil		conductors twisted to pairs stranded with alu foil	
Stranding:	pairs in specially adjusted layering, tinned copper drain wire in core			
Shielding:	alu. foil	alu. foil	tinned copper braiding	tinned copper braiding
Wrapping:	non-woven tape	non-woven tape	non-woven tape	non-woven tape
Jacket material:	SABIX®	SABIX®	SABIX®	SABIX®
Jacket color:	red lilac (RAL 4001)	red lilac (RAL 4001)	red lilac (RAL 4001)	red lilac (RAL 4001)

<b>Technical data:</b>	DN 656	DN 656	DN 657	DN 657
	Drop Cable	Trunk Cable	Drop Cable	Trunk Cable
Peak operating voltage:	max. 350 V	max. 350 V	max. 350 V	max. 350 V
Voltage UL:	300 V	300 V	—	—
Testing voltage: conductor/conductor: conductor/shielding:	2000 V 2000 V	2000 V 2000 V	1500 V 1200 V	1500 V 1200 V
Min. bending radius: 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.
Temperature range: static: flexible:	UL: up to +75°C -40/+70°C -30/+70°C	UL: up to +75°C -40/+70°C -30/+70°C	-40/+70°C -30/+70°C	-40/+70°C -30/+70°C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1		acc. to IEC 60754-1 + VDE 0482-754-1	
Characteristic impedance:	120 Ω ± 10%	120 Ω ± 10%	120 Ω ± 10%	120 Ω ± 10%
UL Style:	21080	21080	—	—
Absence of harmful substances:	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	
▶ 6562241	DN 656 (Drop Cable)	24 AWG/1pr	22 AWG/1pr	0.260	6.6	38
▶ 6562781	DN 656 (Trunk Cable)	18 AWG/1pr	15 AWG/1pr	0.449	11.4	81
▶ 6572241	DN 657 (Drop Cable)	24 AWG/1pr	22 AWG/1pr	0.260	6.6	50
▶ 6572781	DN 657 (Trunk Cable)	18 AWG/1pr	15 AWG/1pr	0.449	11.4	123

Other dimensions and colors are available on request