

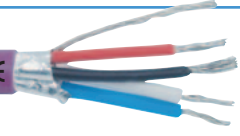
# DeviceNet™ Cables



**DN 658** highly flexible DeviceNet™ cable with overall copper screen and UL recognition

**DN 659** highly flexible DeviceNet™ cable with a static screen and UL recognition

24AWG/1pr+22AWG/1pr AWM Style 20417 60°C 30V CE



Marking for DN 659 06592241:

SAB BRÜCKSKES · D-VIERSEN · DN 659 2x0,24mm<sup>2</sup>+2x0,38mm<sup>2</sup> 06592241 24AWG/1pr+22AWG/1pr AWM Style 20417 60°C 30V CE

<u>Construction:</u>	DN 658 Drop Cable	DN 658 Trunk Cable	DN 659 Drop Cable	DN 659 Trunk Cable
<b>Dimension:</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> 0,24 mm <sup>2</sup> tinned copper strands 0,38 mm <sup>2</sup> tinned copper strands	fine wires fine wires	--- ---	fine wires fine wires	--- ---
<b>Conductor:</b> 0,96 mm <sup>2</sup> tinned copper strands 1,53 mm <sup>2</sup> tinned copper strands	--- ---	fine wires fine wires	--- ---	fine wires fine wires
<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>Colour 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			
<b>Wrapping:</b>	cores twisted to pairs stranded with alu foil			
<b>Stranding:</b>	pairs in specially adjusted layering, tinned copper drain wire in core			
<b>Screen:</b>	tinned copper braiding		alu foil	
<b>Wrapping:</b>	non-woven tape			
<b>Sheath material:</b>	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with rough surface			
<b>Sheath colour:</b>	redlilac (RAL 4001)			

<u>Technical data:</u>	DN 658 Drop Cable	DN 658 Trunk Cable	DN 659 Drop Cable	DN 659 Trunk Cable
<b>Item number:</b>	0658-2241	0658-2781	0659-2241	0659-2781
<b>Peak operating voltage:</b>	max. 350 V			
<b>Voltage UL:</b>	30 V			
<b>Testing voltage</b> core/core: core/screen:	2000 V 2000 V			
<b>Min. bending radius</b> fixed laying: flexible application:	7,5 x d 15 x d			
<b>Temperature range</b> fixed laying: flexible application:	UL: up to +60 °C -30/+70 °C -5/+70 °C			
<b>Characteristic impedance:</b>	120 Ω ± 10%			
<b>UL Style:</b>	20417			
<b>Absence of harmful substances:</b>	acc. to RoHS directive of the European Union, see chapter N „Technical data“			

item no.	type	dimension	outer-ø mm	copper figure kg/km	cable weight ≈kg/km
06582241	DN 658 (Drop Cable)	2 x 0,24 mm <sup>2</sup> + 2 x 0,38 mm <sup>2</sup>	6,1 - 7,1	41,2	74
06582781	DN 658 (Trunk Cable)	2 x 0,96 mm <sup>2</sup> + 2 x 1,53 mm <sup>2</sup>	10,4 - 12,4	98,7	183
06592241	DN 659 (Drop Cable)	2 x 0,24 mm <sup>2</sup> + 2 x 0,38 mm <sup>2</sup>	6,1 - 7,1	16,4	56
06592781	DN 659 (Trunk Cable)	2 x 0,96 mm <sup>2</sup> + 2 x 1,53 mm <sup>2</sup>	10,4 - 12,4	58,4	115

Other dimensions and colours are possible on request.