

DeviceNet™ Cables



DN 659 Continuous flex DeviceNet™ cable with a foil shield

DN 658 Continuous flex DeviceNet™ cable with tinned copper shield

22AWG/1pr AWM Style 20417 60°C 30V CE



Marking for DN 658 6582241:

SAB BRÖCKSKES · D-VIERSEN · DN 658 2x0.24mm²+2x0.38mm² 6582241 24AWG/1pr+22AWG/1pr AWM Style 20417 60°C 30V CE

	 DN 659 <i>Drop Cable</i>	 DN 659 <i>Trunk Cable</i>	 DN 658 <i>Drop Cable</i>	 DN 658 <i>Trunk Cable</i>
Construction:				
Item numbers:	6592241	6592781	6582241	6582781
Dimensions:	2 x 0.24 mm ² + 2 x 0.38 mm ²	2 x 0.96 mm ² + 2 x 1.53 mm ²	2 x 0.24 mm ² + 2 x 0.38 mm ²	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	fine wires fine wires	— —	fine wires fine wires	— —
Conductor: 0.96 mm ² tinned copper strands 1.53 mm ² tinned copper strands	— —	fine wires fine wires	— —	fine wires fine wires
Insulation:	0.24 mm ² : acc. to EN 50290-2-23 (02Y11) 0.38 mm ² : PVC, TI2 acc. to EN 50363-3	0.96 mm ² : acc. to EN 50290-2-23 (02Y11) 1.53 mm ² : PVC, TI2 acc. to EN 50363-3	0.24 mm ² : acc. to EN 50290-2-23 (02Y11) 0.38 mm ² : PVC, TI2 acc. to EN 50363-3	0.96 mm ² : acc. to EN 50290-2-23 (02Y11) 1.53 mm ² : PVC, TI2 acc. to EN 50363-3
Color code:	0.24 mm ² /0.96 mm ² : data pair white and light blue; 0.38 mm ² /1.53 mm ² : supply pair black and red		0.24 mm ² /0.96 mm ² : data pair white and light blue; 0.38 mm ² /1.53 mm ² : 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:	PUR, TPU acc. to EN 50363-10-2 + VDE 0207-363-10-2 with rough surface			
Jacket color:	red lilac (RAL 4001)	red lilac (RAL 4001)	red lilac (RAL 4001)	red lilac (RAL 4001)

	DN 659 Drop Cable	DN 659 Trunk Cable	DN 658 Drop Cable	DN 658 Trunk Cable
Technical data:				
Peak operating voltage:	max. 350 V	max. 350 V	max. 350 V	max. 350 V
Voltage UL:	30 V	30 V	30 V	30 V
Testing voltage: conductor/conductor: conductor/shielding:	2000 V 2000 V	2000 V 2000 V	2000 V 2000 V	2000 V 2000 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 +60°C -30/+70°C -5/+70°C	UL: up to +60°C -30/+70°C -5/+70°C	UL: up to +60°C -30/+70°C -5/+70°C	UL: up to +60°C -30/+70°C -5/+70°C
Characteristic impedance:	120 Ω ± 10%	120 Ω ± 10%	120 Ω ± 10%	120 Ω ± 10%
UL Style:	20417	20417	20417	20417
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 inch	mm	cable weight ≈lbs/mft
▶ 6592241	DN 659 (Drop Cable)	24 AWG/1pr	22 AWG/1pr	0.240 - 0.280	6.1 - 7.1	50
▶ 6592781	DN 659 (Trunk Cable)	18 AWG/1pr	15 AWG/1pr	0.410 - 0.488	10.4 - 12.4	77
▶ 6582241	DN 658 (Drop Cable)	24 AWG/1pr	22 AWG/1pr	0.240 - 0.280	6.1 - 7.1	42
▶ 6582781	DN 658 (Trunk Cable)	18 AWG/1pr	15 AWG/1pr	0.410 - 0.488	10.4 - 12.4	103

Other dimensions and colors are available on request