

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



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

Construction:	DN 659 Drop Cable	DN 659 Trunk Cable	DN 658 Drop Cable	DN 658 Trunk Cable
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)

Technical data:	DN 659 Drop Cable	DN 659 Trunk Cable	DN 658 Drop Cable	DN 658 Trunk Cable
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		cable weight ≈lbs/mft
				inch	mm	
▶ 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