DeviceNet™ cables

DN 650 PVC DeviceNet™ cable with overall copper screen and UL recognition

DN 657 halogen-free, flexible DeviceNet™ cable with overall copper screen



marking example:
SAB BRÖCKSKES · D-VIERSEN · DN 650 2x0,24mm²+2x0,38mm² 06502241 24AWG/1pr+22AWG/1pr
Low Voltage Computer cable AWM Style 2560 60°C 30V

Construction:	DN 650 Drop cable	DN 650 Trunk cable	DN 657 Drop cable	DN 657 Drop cable
Dimension:	2 x 0,24 mm² + 2 x 0,38 mm²	2 x 0,96 mm² + 2 x 1,53 mm²	2 x 0,24 mm² + 2 x 0,38 mm²	2 x 0,96 mm² + 2 x 1,53 mm²
Conductor: 0,24 mm² tinned copper strands 0,38 mm² tinned copper strands	 AWG 24/19 AWG 22/19	 – –	 AWG 24/19 AWG 22/19	 – –
Conductor: 0,96 mm² tinned copper strands 1,53 mm² tinned copper strands	 – –	 AWG 18/19 AWG 15/19	 – –	 AWG 18/19 AWG 15/19
Insulation:	0,24 mm²: acc. to EN 50290-2-23 (02YI1) 0,38 mm²: PVC, TI2 acc. to EN 50363-3	0,96 mm²: acc. to EN 50290-2-23 (02YI1) 1,53 mm²: PVC, TI2 acc. to EN 50363-3	0,24 mm²: acc. to EN 50290-2-23 (02YI1) 0,38 mm²: SABIX®	0,96 mm²: acc. to EN 50290-2-23 (02YI1) 1,53 mm²: SABIX®
Colour code:	0,24 mm²/0,96 mm²: data pair white and light blue 0,38 mm²/1,53 mm²: supply pair black and red			
Wrapping:	coren twisted to pairs stranded with alu foil			
Stranding:	pairs in specially adjusted layering, tinned copper drain wire in core			
Screen:	tinned copper braiding			
Wrapping:	non-woven tape			
Sheath material:	PVC, TM1 acc. to EN 50363-4-1 + VDE 0207-363-4-1		SABIX®	
Sheath colour:	redlilac (RAL 4001)			

Technical data:	DN 650 Drop cable	DN 650 Trunk cable	DN 657 Drop cable	DN 657 Trunk cable
Item number:	0650-2241	0650-2781	0657-2241	0657-2781
Peak operating voltage:	max. 350 V			
Voltage UL:	30 V		–	
Testing voltage *core/core:* *core/screen:*	 1500 V 1200 V			
Min. bending radius *fixed laying:* *flexible application:*	 7,5 x d 15 x d			
Temperature range *fixed laying:* *flexible application:*	UL: up to +60 °C -30/+70 °C -5/+70 °C		 -40/+70 °C -30/+70 °C	
Halogen-free:	–		acc. to IEC 60754-1 + VDE 0482-754-1	
Characteristic impedance:	120 Ω ± 10%			
UL Style:	2560		–	
Absence of harmful substances:	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
06502241	DN 650 (Drop cable)	2 x 0,24 mm² + 2 x 0,38 mm²	6,1 - 7,1	41,2	61
06502781	DN 650 (Trunk cable)	2 x 0,96 mm² + 2 x 1,53 mm²	10,4 - 12,4	98,7	153
06572241	DN 657 (Drop cable)	2 x 0,24 mm² + 2 x 0,38 mm²	6,1 - 7,1	41,2	62
06572781	DN 657 (Trunk cable)	2 x 0,96 mm² + 2 x 1,53 mm²	10,4 - 12,4	98,7	148

Other dimensions and colours are possible on request.