

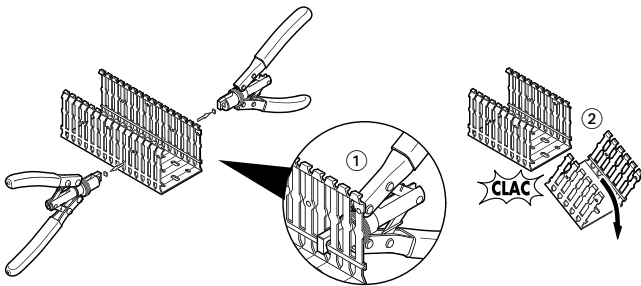
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1. GENERAL CHARACTERISTICS

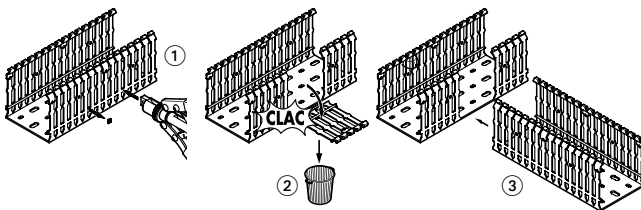
Lina 25 cable ducting is used to organise running the wiring vertically and horizontally inside a control system or distribution electrical enclosure.

The range covers requirements from 25x25 to 120x80 mm.

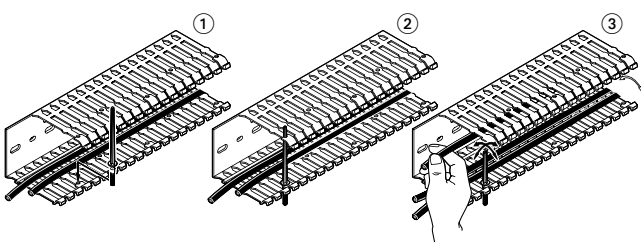
Lina 25 ducting can be cut to length without using a saw. After making 2 lateral cuts with the Lina 25 tool, the ducting can be separated manually by a simple snap, thanks to the cut-outs on the bottom (quick, no dust, no burrs).



They can be used to create a T junction between vertical and horizontal ducting all the way along, without obstacles. After cutting with the Lina 25 tool, the side detaches easily thanks to the prescribed breaking line at the base of the ducting.

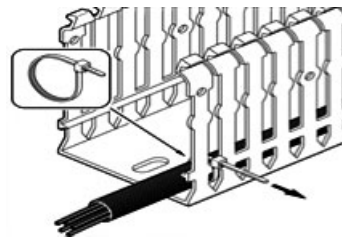


Wire-retaining clips can be passed through holes positioned at regular intervals along the tab ends to prevent the wires escaping from the ducting during installation. The clips can be left in place even after the cover is fitted.



1. GENERAL CHARACTERISTICS (continued)

The ducting allows a cable tie to pass through the lateral perforations at the base of the ducting to clamp a sleeve or a cable.



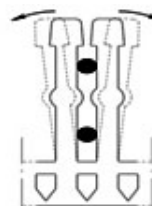
The ends on Lina 25 ducting tabs are designed to prevent injury. The space between two tabs is 6 mm, which allows a 1.5 mm² cross-section cable maximum to pass through without breaking the tab.



The height between the base of the ducting and the stiffener must not exceed 20% of the total height. Wires can be introduced very close to the baseplate by removing the link between the two tabs using the Lina 25 cutter tool.

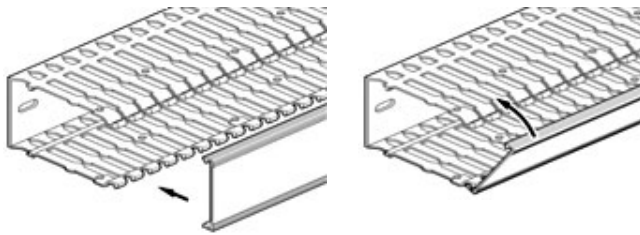


The bosses can be used to hold the wires at the bottom of the ducting to prevent them escaping during wiring. They also mean that two wiring levels can be used.



1. GENERAL CHARACTERISTICS (continued)

The cover is easily fitted on the ducting either by clipping on the front or by rotating it. It can be opened without special tools.



Two white strip on the cover enable the marking.



2. RANGE

Grey RAL 7030
Lenght 2 m

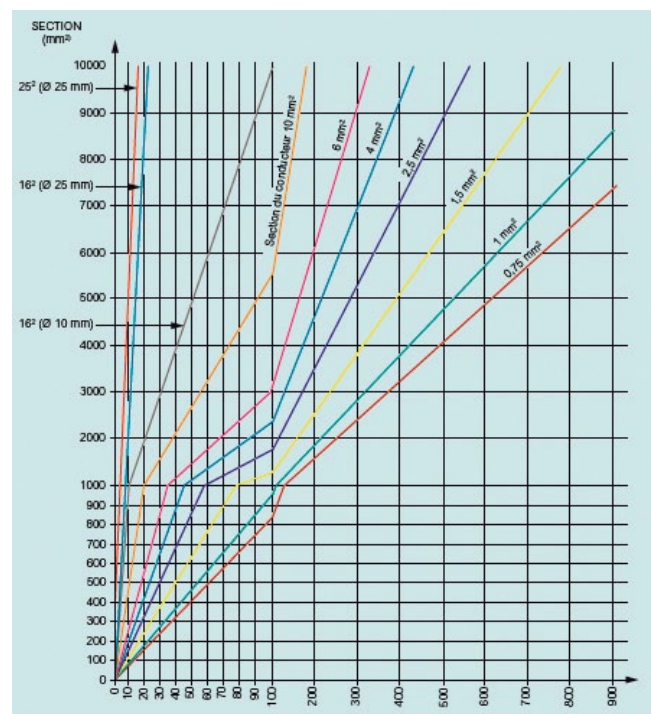
Cat. No.	Width (mm)	Height (mm)	Cross-section	Pack of (m)	Weight (kg/m)
6 360 00	25	25	25x25	60	0.289
6 360 01	25	40	25x40	56	0.335
6 360 02	25	60	25x60	56	0.396
6 360 05	40	25	40x25	56	0.383
6 360 06	40	40	40x40	48	0.446
6 360 07	40	60	40x60	48	0.482
6 360 08	40	80	40x80	40	0.572
6 360 09	40	100	40x100	24	0.736
6 360 11	60	40	60x40	32	0.604
6 360 12	60	60	60x60	32	0.617
6 360 13	60	80	60x80	32	0.715
6 360 14	60	100	60x100	24	0.921
6 360 16	80	60	80x60	24	0.771
6 360 17	80	80	80x80	24	0.855
6 360 18	80	100	80x100	20	1.097
6 360 22	100	100	100x100	16	1.305
6 360 25	120	80	120x80	16	1.210

3. TECHNICAL CHARACTERISTICS

3.1 Cabling capacity

Cross-section	Capacity (mm ²)	Cross-section	Capacity (mm ²)
25x25	391	60x60	3115
25x40	720	60x80	4216
25x60	1159	60x100	5216
40x25	692	80x60	4200
40x40	1246	80x80	5716
40x60	2008	80x100	7079
40x80	2717	100x100	8960
40x100	3354	120x80	8730
60x40	1932		

Wire dimensions chart:



Example: 40x60 ducting = 2008 mm² capacity, or approximately:

- 250 wires 0.75 mm²
- 210 wires 1 mm²
- 160 wires 1.5 mm²
- etc.

3.2 Standards

- Conforming to standard EN 50 085 part 2-3
- Conforming to ROHS: lead and cadmium-free
- Approvals: UL, CSA and NF

3.3 Product classification according to EN 50085-2-3

- Non-metal product
- Method of opening cover: no tools required
- Minimum storage and transport temperature: - 25°C
- Maximum operating temperature: + 60°C
- Flame-retardant
- No electrical continuity
- Electrically insulating
- Installation position: on vertical or horizontal surface, cover facing down not permitted

3. TECHNICAL CHARACTERISTICS (continued)

■ **3.4 Material**

The Lina 25 cable ducting material is PVC.
Performance of material:

Characteristics	Performance	Unit of measurement	Standards
Physical			
Specific gravity	1.67	g/cm ³	ISO 1183
Water absorption	0.05	%	ISO 62
Mechanical			
Ultimate tensile strength	31	MPa	ISO 527
Tensile load	33	MPa	ISO 527
Breaking elongation	100	%	ISO 527
Elastic bending modulus	4.000	MPa	ISO 178
Thermal			
VICAT temperature	84	°C	ISO 306
Operating temperature	-5 à +60 ⁽¹⁾	°C	EN 50085-2-3
HDT temperature	73	°C	ISO 75
Expansion	< 6 x 10 ⁻⁵	°K ⁻¹	DIN 53762
Electrical			
Dielectric constant	> 2.5	-	ASTM D150
Dielectric strength	Approx 30	KV/mm	IEC 243
Surface resistivity	> 1 x 10 ¹⁵	Ohm	IEC 93
Fire behaviour			
UL94 classification	VO	-	UL 94
M classification	M1	-	NF P 92-501
Glow-wire	960	°C	IEC 695-2-1
Oxygen index	> 42	%	ISO 4589

⁽¹⁾ X31 classification

3. TECHNICAL CHARACTERISTICS (continued)

■ **3.4 Material (continued)**

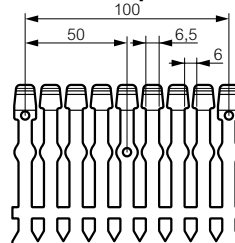
Cable ducting calorific value:

Cat. No.	Material	Product	Total part (MJ/kg)
6 360 00	PVC	25x25	11.600
6 360 01	PVC	25x40	13.280
6 360 02	PVC	25x60	16.120
6 360 05	PVC	40x25	15.440
6 360 06	PVC	40x40	17.760
6 360 07	PVC	40x60	19.680
6 360 08	PVC	40x80	21.880
6 360 09	PVC	40x100	28.600
6 360 11	PVC	60x40	23.880
6 360 12	PVC	60x60	24.520
6 360 13	PVC	60x80	28.960
6 360 14	PVC	60x100	35.760
6 360 16	PVC	80x60	30.968
6 360 17	PVC	80x80	32.808
6 360 18	PVC	80x100	42.688
6 360 22	PVC	100x100	50.852
6 360 25	PVC	120x80	46.784

4. DIMENSIONS

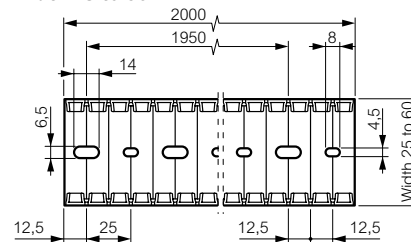
Dimensions are in mm.

■ **4.1 Lateral perforations**

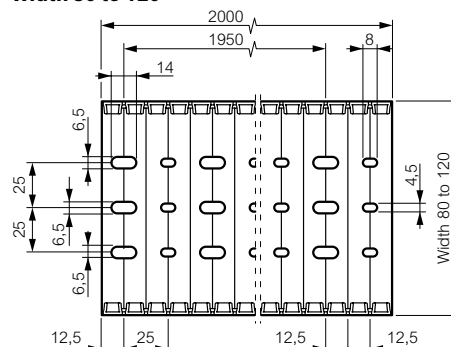


■ **4.2 Perforations on the base**

Width 25 to 60

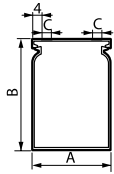


Width 80 to 120



4. DIMENSIONS (continued)

■ **4.3 Width of marking strips (C)**



Cat. No.	A	B	C
6 360 00	25	25	6
6 360 01	25	40	5
6 360 02	25	60	6
6 360 05	40	25	10
6 360 06	40	40	10
6 360 07	40	60	10
6 360 08	40	80	10
6 360 09	40	100	10
6 360 11	60	40	10
6 360 12	60	60	10
6 360 13	60	80	10
6 360 14	60	100	10
6 360 16	80	60	10
6 360 17	80	80	10
6 360 18	80	100	10
6 360 22	100	100	10
6 360 25	120	80	10

5. ACCESSORIES

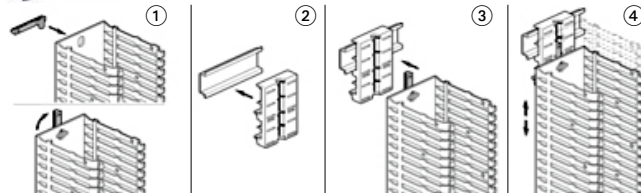
■ **5.1 Fixing accessories**

5.1.1 Linafix screwless fixing

Cat. No.	Description
0 367 00	Rail-fixing accessory for vertical ducting




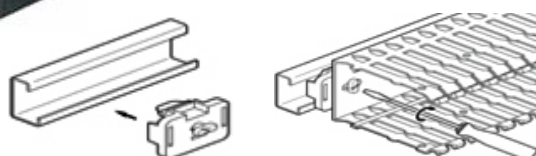
- Used to fix vertical ducting on a rail.
- Polyamide 6-6.



Cat. No.	Description
0 366 40	Rail-fixing accessory for horizontal ducting



- Used to fix horizontal ducting on a  rail, depth 15 mm.
- Cable ducting fixing on accessory by 1/4 turn.
- Polyamide 6-6.



5. ACCESSORIES (continued)

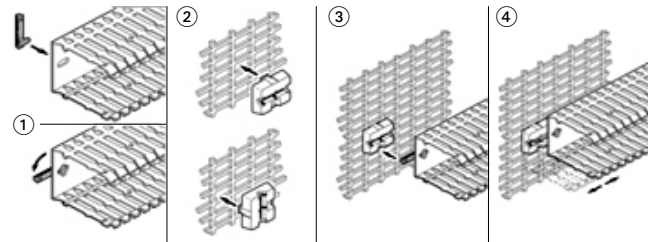
■ **5.1 Fixing accessories (continued)**

5.1.1 Linafix screwless fixing (continued)

Cat. No.	Description
0 366 41	Accessory for fixing on Lina 25 perforated plate



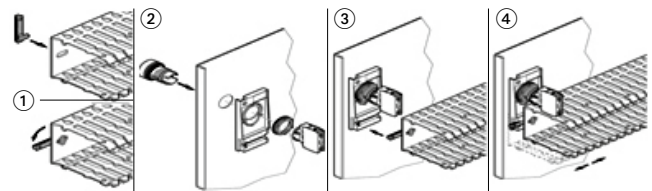
- Used to fix ducting on a Lina 25 perforated plate.
- Polyamide 6-6.



Cat. No.	Description
0 366 42	Accessory for fixing to door




- Used to fix ducting to a door (without glue).
- Fits onto Osmoz control and signalling auxiliaries (Ø 22 mm).
- Polyamide 6-6.



Cat. No.	Description
0 366 43	Accessory for fixing on Lina 25 upright



- Use to fix vertical ducting on Lina 25 upright, and horizontal ducting.
- Double adjustment enables alignment with perforations at the bottom of cable ducting.
- Possible horizontal reinforcement with rail  15 mm depth.
- Polyamide 6-6.

5.1.2 Self drilling/tapping screw

Cat. No.	Description
0 347 45	H 4.8 x 16 mm screw



- Use to fix ducting on a Lina 12.5 plate (Ø 3.3 mm).
- Zinc-plated steel.

5. ACCESSORIES (continued)

■ **5.1 Fixing accessories (continued)**

5.1.3 Isolating screw cover

Cat. No.	Description
0 347 50	Screw cover for isolating screw head cat. no. 0 347 45



- Use to isolate the head of the screw cat. no. 0 347 45 inside ducting.
- Polyethylene.

5.1.4 Plastic rivets

Cat. No.	Description	Ø head (mm)
0 366 46	Standard rivet Ø 6 mm ⁽¹⁾	10
0 366 44	Reinforced rivet Ø 6 mm ⁽²⁾	10

⁽¹⁾ Drilling diameter: 5.5 to 6 mm

⁽²⁾ Drilling diameter: 6.5 mm

Standard



- Used to fix the ducting on a solid plate without needing to tap holes.

Reinforced



- The reinforced rivet enables to fix cable ducting in 6.5 mm hole of Lina 12.5 plate and perforated Lina 25 plate for Atlantic and Marina cabinets.
- Polyamide 6-6.

■ **5.2 Cutter tool**

Cat. No.	Description
0 367 10	Lina 25 tool for cutting ducting to required length



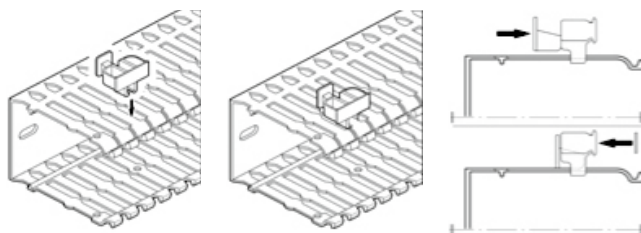
■ **5.3 Linagraf labelling accessories**

5.3.1 Label-holder

Cat. No.	Description
0 367 02	Label-holder



- Used to label the ducting directly.
- Clips onto a tab.
- Can take a self-adhesive label 30 x 10 mm max.
- ABS



5. ACCESSORIES (continued)

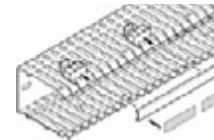
■ **5.3 Linagraf labelling accessories (continued)**

5.3.2 Marking extension strip

Cat. No.	Description
0 370 10	Marking extension strip



- Used to label the ducting directly with a long text.
- Clips onto label-holder cat. no. 0 367 02.
- Length 2 m.
- PVC



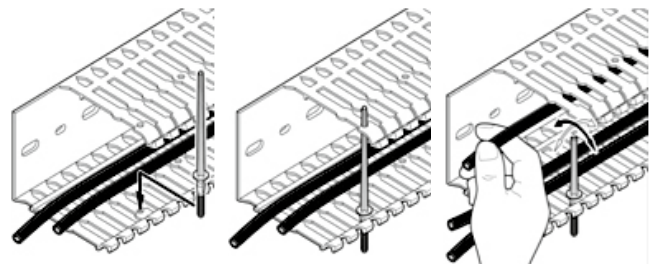
■ **5.4 Wiring accessories**

5.4.1 Wire-retaining clip

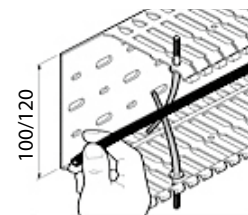
Cat. No.	Description
0 367 01	Wire-retaining clip



- Clips can be used to hold the wires at the bottom of the ducting, and keep them in place during wiring.
- Total length 83 mm.



- For 100 and 120 mm wide ducting, two clips placed opposite one another can be used to hold the wires in place.



5.4.2 Braided sleeving

Cat. No.	Description
0 366 38	Braided sleeving for door Ø 20 mm ⁽¹⁾
0 366 39	Braided sleeving for door Ø 30 mm ⁽²⁾

⁽¹⁾ Variation in diameter: 10 to 30 mm

⁽²⁾ Variation in diameter: 18 to 54 mm



- Supplied in 50 m roll in dispenser box
- Black Polyester