Transcab cable ducting

Cat. No(s).: 6 360 95/96
6 361 00/01/02/03/05/06/07/08/09/11/12/13/14/15/16/17/19/20/21/22/23/24/25
6 362 00/01/02/06/07/08/12/13/17/25

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2. Range 2
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4. Dimensions 4
5. Accessories 5

Transcab
Grey RAL 7030

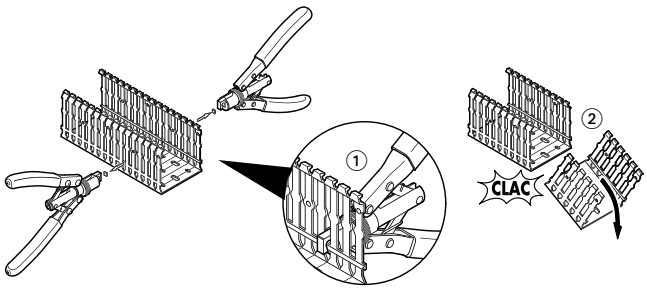
Halogen-free Transcab
Grey RAL 7035

1. GENERAL CHARACTERISTICS

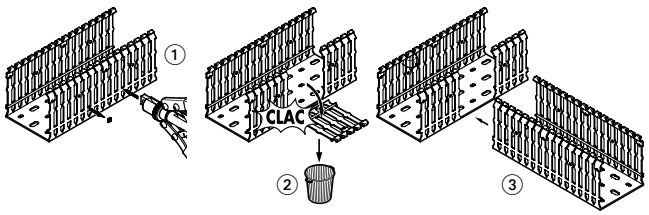
Transcab cable ducting is used to organise running the wiring vertically and horizontally inside a control system or distribution electrical enclosure.

The range covers all requirements, from 15x25 to 150x100 mm.

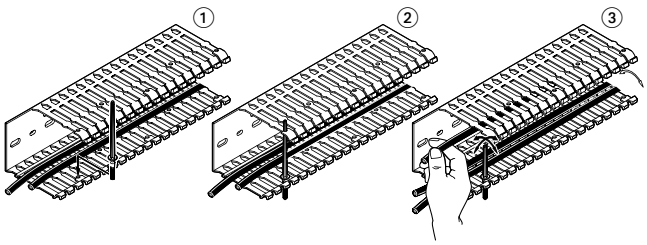
Transcab ducting can be cut to length without using a saw. After making 2 lateral cuts with the Legrand tool cat. no. 0 367 10, the ducting can be separated manually by a simple snap, thanks to the cut-outs on the bottom (quick, no dust, no burrs).



They can be used to create a T junction between vertical and horizontal ducting all the way along, without obstacles.
After cutting with the Legrand tool cat. no. 0 367 10, the side detaches easily thanks to the prescribed breaking line at the base of the ducting.

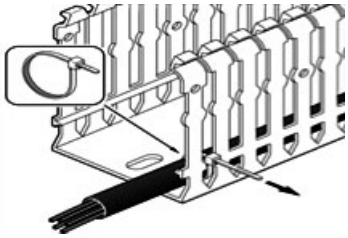


Wire-retaining clips can be passed through holes positioned at regular intervals along the tab ends to prevent the wires escaping from the ducting during installation. The clips can be left in place even after the cover is fitted.



1. GENERAL CHARACTERISTICS (continued)

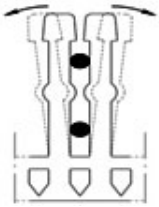
The ducting allows a cable tie to pass through the lateral perforations at the base of the ducting to clamp a sleeve or a cable.

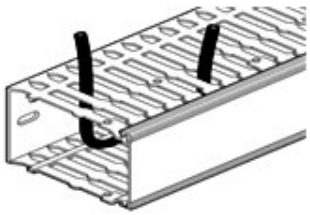


The ends on Transcab ducting tabs are designed to prevent injury. The space between two tabs is 6 mm, which allows a 1.5 mm^2 cross-section cable maximum to pass through without breaking the tab.

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 Legrand cutter tool cat. no. 0 367 10.

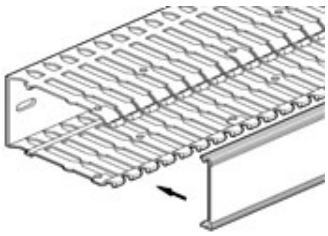
The bosses can be used to hold the wires at the bottom of the ducting to prevent them escaping during wiring. They also mean that two wiring levels can be used.

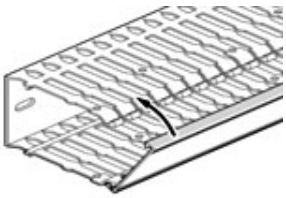




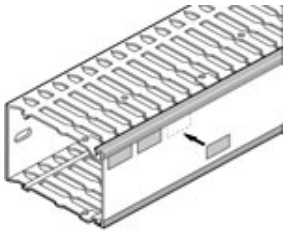
1. GENERAL CHARACTERISTICS (continued)

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.





The ridges on the edges of the ducting make it easier to align the labels.



2. RANGE

Two cable ducting ranges depending on use:
- Transcab, grey RAL 7030
- Halogen-free Transcab, grey RAL 7035

■ 2.1 Transcab cable ducting, grey RAL 7030

Length 2 m

Cat. No.	Width (mm)	Height (mm)	Cross-section	Pack of (m)	Weight (kg/m)
6 360 95	15	25	15x25	32	0.148
6 360 96	15	40	15x40	40	0.173
6 361 00	25	25	25x25	60	0.289
6 361 01	25	40	25x40	56	0.335
6 361 02	25	60	25x60	56	0.396
6 361 03	25	80	25x80	40	0.456
6 361 05	40	25	40x25	56	0.383
6 361 06	40	40	40x40	48	0.446
6 361 07	40	60	40x60	48	0.482
6 361 08	40	80	40x80	40	0.572
6 361 09	40	100	40x100	24	0.736
6 361 11	60	40	60x40	32	0.604
6 361 12	60	60	60x60	32	0.617
6 361 13	60	80	60x80	32	0.715
6 361 14	60	100	60x100	24	0.921
6 361 15	80	40	80x40	24	0.723
6 361 16	80	60	80x60	24	0.771
6 361 17	80	80	80x80	24	0.855
6 361 18	80	100	80x100	20	1.097
6 361 19	100	40	100x40	24	0.892
6 361 20	100	60	100x60	24	0.948
6 361 21	100	80	100x80	16	1.040
6 361 22	100	100	100x100	16	1.305
6 361 24	120	60	120x60	16	1.139
6 361 25	120	80	120x80	16	1.210
6 361 23	150	100	150x100	12	1.759

2. RANGE (continued)

■ 2.1 Transcab cable ducting, grey RAL 7030 (continued)

Couvers only:

Cat. No.	Width (mm)	Pack of (m)
0 370 10	15	36
0 370 11	25	36
0 370 12	40	36
0 370 13	60	36
0 370 14	80	36
0 370 15	100	36
0 370 16	120	36
0 370 17	150	36

■ 2.2 Halogen-free Transcab grey RAL 7035

Length 2 m

Cat. No.	Width (mm)	Height (mm)	Cross-section	Pack of (m)	Weight (kg/m)
6 362 00	25	25	25x25	60	0.227
6 362 01	25	40	25x40	56	0.263
6 362 02	25	60	25x60	56	0.311
6 362 06	40	40	40x40	48	0.350
6 362 07	40	60	40x60	48	0.379
6 362 08	40	80	40x80	40	0.445
6 362 12	60	60	60x60	32	0.485
6 362 13	60	80	60x80	32	0.562
6 362 17	80	80	80x80	24	0.672
6 362 25	120	80	120x80	16	0.952

3. TECHNICAL CHARACTERISTICS

■ 3.1 Cabling capacity

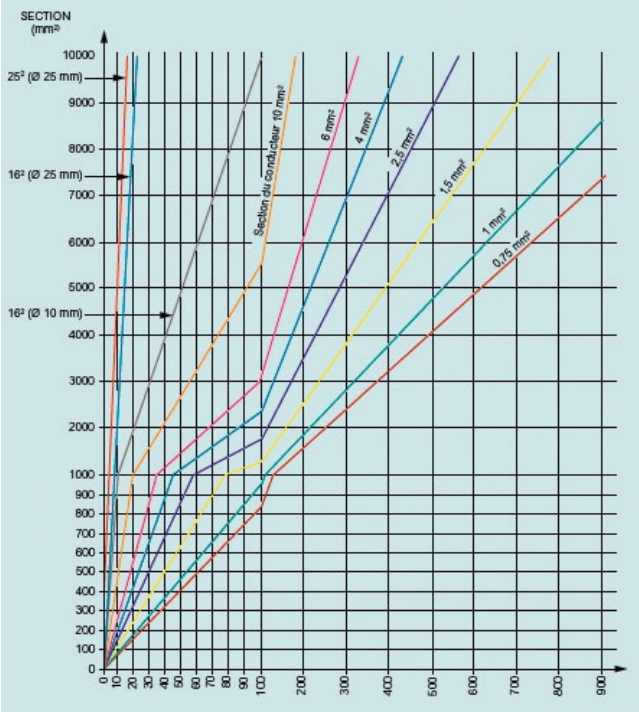
Cross-section	Capacity (mm^2)
15x25	264
15x40	455
25x25	391
25x40	720
25x60	1159
25x80	1600
40x25	692
40x40	1245
40x60	2007
40x80	2717
40x100	3354
60x40	1932
60x60	3115

Cross-section	Capacity (mm^2)
60x80	4216
60x100	5216
80x40	2647
80x60	4200
80x80	5715
80x100	7078
100x40	3363
100x60	5307
100x80	7215
100x100	8960
120x60	6403
120x80	8729
150x100	13683

3. TECHNICAL CHARACTERISTICS (continued)

■ 3.1 Cabling capacity (continued)

Wire dimensions chart:



Example: 40x60 ducting = 2007 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 (halogen-free range: + 90°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

- Transcab : PVC
- Halogen-free Transcab: PC/ABS

Performance of material:

Characteristics	PVC Transcab	Halogen-free Transcab	Unit of measure-ment	Standards
Physical				
Specific gravity	1.67	1.18	g/cm²	ISO 1183
Water absorption	0.05	0.60	%	ISO 62
Mechanical				
Ultimate tensile strength	31	55	MPa	ISO 527
Tensile load	33	65	MPa	ISO 527
Breaking elongation	100	55	%	ISO 527
Elastic bending modulus	4.000	2.700	MPa	ISO 178
Thermal				
VICAT temperature	84	110	°C	ISO 306
Operating temperature	-5 à +60 (1)	-5 à +90	°C	EN 50085-2-3
HDT temperature	73	91	°C	ISO 75
Expansion	< 6 x 10^{-5}	< 8 X 10^{-5}	°K^{-1}	DIN 53762
Electrical				
Dielectric constant	> 2.5	-	-	ASTM D150
Dielectric strength	Approx 30	25	KV/mm	IEC 243
Surface resistivity	> 1 x 10^{15}	> 1 x 10^{15}	Ohm	IEC 93
Fire behaviour				
UL94 classification	VO	VO (1.5 mm)	-	UL 94
M classification	M1	M2	-	NF P 92-501
Glow-wire	960	850	°C	IEC 695-2-1
Oxygen index	> 42	> 37	%	ISO 4589

(1) X31 classification

3. TECHNICAL CHARACTERISTICS (continued)

■ 3.4 Material (continued)

Cable ducting calorific value:

Références	Matière	Produits	Total pièce (MJ/kg)
6 360 95	PVC	15x25	5.640
		cv 15	
6 360 96	PVC	15x40	7.520
		cv 15	
6 361 00	PVC	25x25	11.600
		cv 25	
6 361 01	PVC	25x40	13.280
		cv 25	
6 361 02	PVC	25x60	16.120
		cv 25	
6 361 03	PVC	25x80	17.280
		cv 25	
6 361 05	PVC	40x25	15.440
		cv 40	
6 361 06	PVC	40x40	17.760
		cv 40	
6 361 07	PVC	40x60	19.680
		cv 40	
6 361 08	PVC	40x80	21.880
		cv 40	
6 361 09	PVC	40x100	28.600
		cv 40	
6 361 11	PVC	60x40	23.880
		cv 60	
6 361 12	PVC	60x60	24.520
		cv 60	
6 361 13	PVC	60x80	28.960
		cv 60	
6 361 14	PVC	60x100	35.760
		cv 60	
6 361 15	PVC	80x40	28.608
		cv 80	
6 361 16	PVC	80x60	30.968
		cv 80	
6 361 17	PVC	80x80	32.808
		cv 80	
6 361 18	PVC	80x100	42.688
		cv 80	
6 361 19	PVC	100x40	35.292
		cv 100	
6 361 20	PVC	100x60	37.612
		cv 100	
6 361 21	PVC	100x80	40.012
		cv 100	
6 361 22	PVC	100x100	50.852
		cv 100	
6 361 24	PVC	120x60	45.184
		cv 120	

3. TECHNICAL CHARACTERISTICS (continued)

■ 3.4 Material (continued)

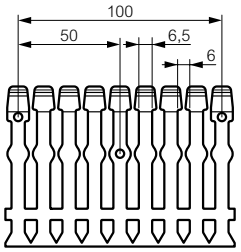
Cable ducting calorific value (continued):

Références	Matière	Produits	Total pièce (MJ/kg)
6 361 25	PVC	120x80	46.784
		cv 120	
6 361 23	PVC	150x100	69.860
		cv 150	
6 362 00	PC/ABS	25x25	13.340
6 362 01	PC/ABS	25x40	15.272
6 362 02	PC/ABS	25x60	18.538
6 362 06	PC/ABS	40x40	20.424
6 362 07	PC/ABS	40x60	22.632
6 362 08	PC/ABS	40x80	25.162
6 362 12	PC/ABS	60x60	28.198
6 362 13	PC/ABS	60x80	33.304
6 362 17	PC/ABS	80x80	37.729
6 362 25	PC/ABS	120x80	53.802

4. DIMENSIONS

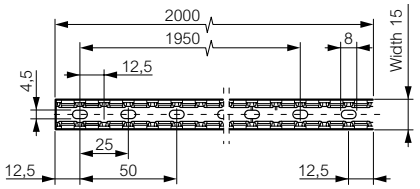
Dimensions are in mm.

■ 4.1 Lateral perforations

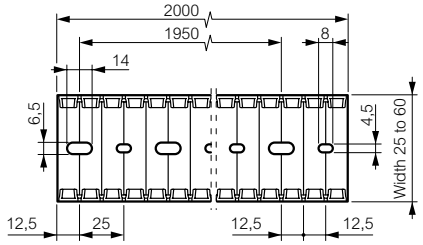


■ 4.2 Perforations on the base

Width 15



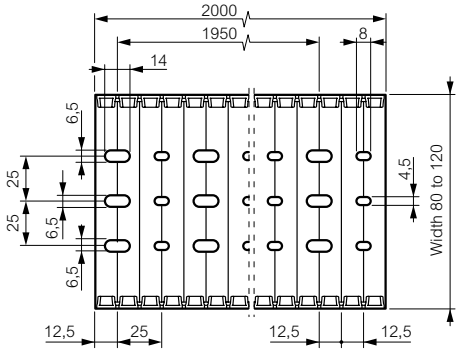
Width 25 to 60



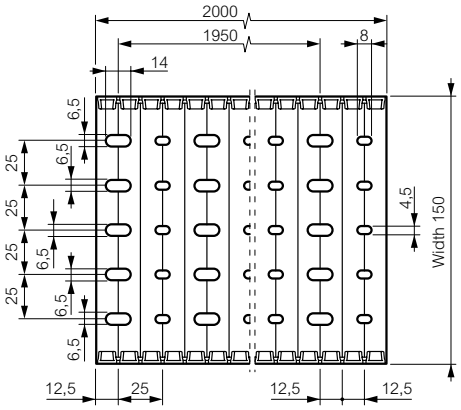
4. DIMENSIONS (continued)

4.2 Perforations on the base (continued)

Width 80 to 120



Width 150



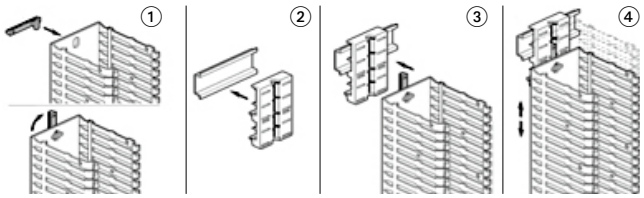
5. ACCESSORIES

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.



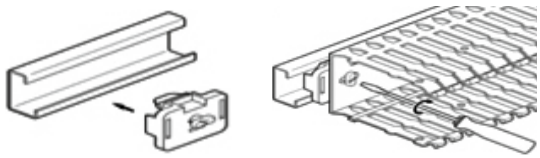
5. ACCESSORIES (continued)

5.1 Fixing accessories (continued)

5.1.1 Linafix screwless fixing (continued)

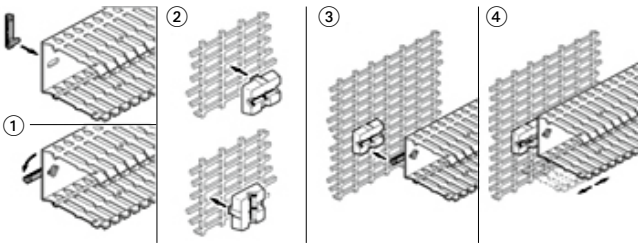
Cat. No.	Description
0 366 40	Rail-fixing accessory for horizontal ducting

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



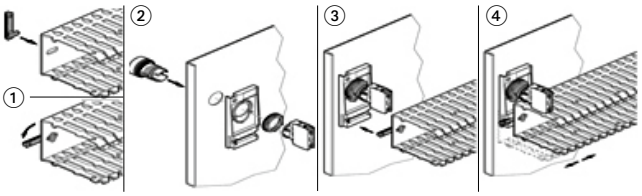
Cat. No.	Description
0 366 41	Accessory for fixing on Lina 25 perforated plate

- 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.



5. ACCESSORIES (continued)

5.1 Fixing accessories (continued)

5.1.1 Linafix screwless fixing (continued)

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 adjustement 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.

5.1.3 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. ACCESSORIES (continued)

5.2 Cutter tool

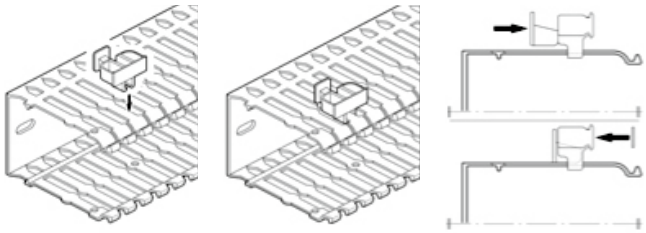
Cat. No.	Description
0 367 10	Tool for cutting ducting to required length

5.3 Linagraf labelling accessories

5.3.1 Label-holder

Cat. No.	Description
0 367 02	Label-holder

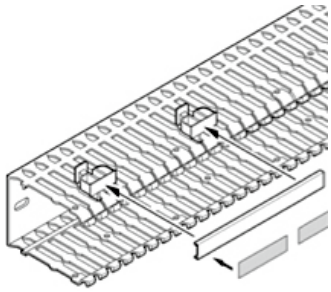
- Used to label the ducting directly.
- Clips onto a tab.
- Can take a self-adhesive label 30 x 10 mm max.
- ABS



5.3.2 Marking extension strip

Cat. No.	Description
0 370 10	Marking extension ducting strip

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



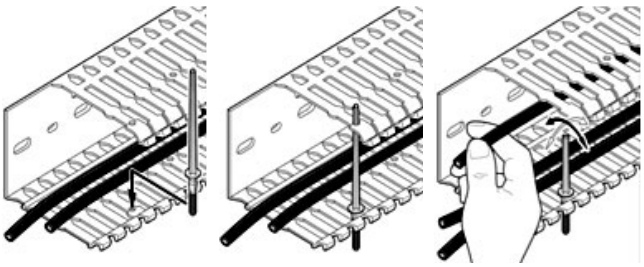
5. ACCESSORIES (continued)

5.4 Wiring accessories

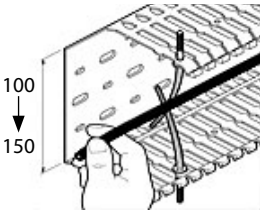
5.4.1 Wire-retaining clip

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 wider 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

5.4.3 Spiral sleeves

Cat. No.	Description
6 361 78	Spiral sleeve Ø 12 mm
6 361 83	Spiral sleeve Ø 22 mm

- Colourless