

**bticino**

# Interlink Office



GENERAL CATALOGUE 08/09

A Group brand

**legrand**

CG08IN/GB

## Wall distribution

Wall distribution uses PVC trunking, available in two sizes (120x60 mm and 200x60 mm) and in two versions: one with cover (T60), the other to be finished with front and side finishing covers.

Both use the same wide range of devices and path components with variable angulation, guaranteeing easy installation even in rooms with uneven walls.

By using special T and X junctions any path can be made with excellent appearance.

trunking with 120x60 section  
complete with side and front covers  
- aluminium colour



trunking with 200x60 section  
complete with side and front covers  
- red colour



T60 trunking with 120x60 section  
complete with front cover  
- white colour

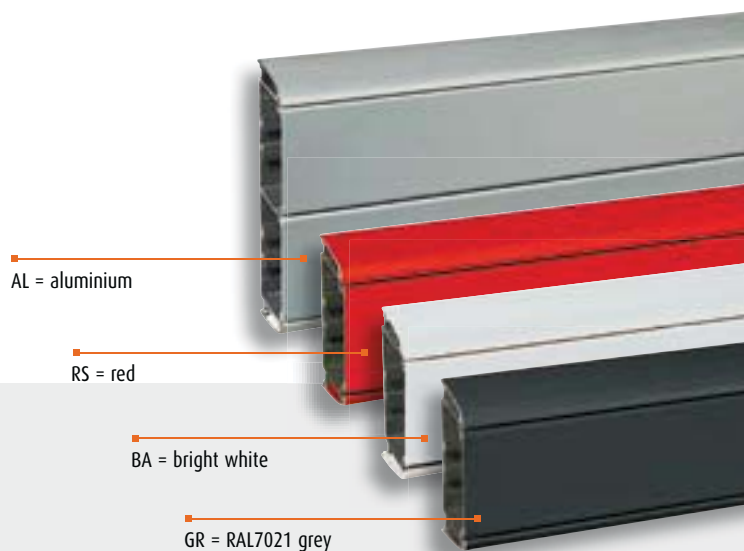


T60 trunking with 200x60mm section  
complete with front cover  
- grey colour



### RANGE OF FINISHINGS

Because of the different colours of the front and side covers of all the PVC and aluminium trunkings, INTERLINK OFFICE can fit into various architectural contexts completely. The colour range also allows perfect matching with the cover plates of LIVING, LIGHT, LIGHT TECH, LUNA, MAGIC and MÀTIX devices.



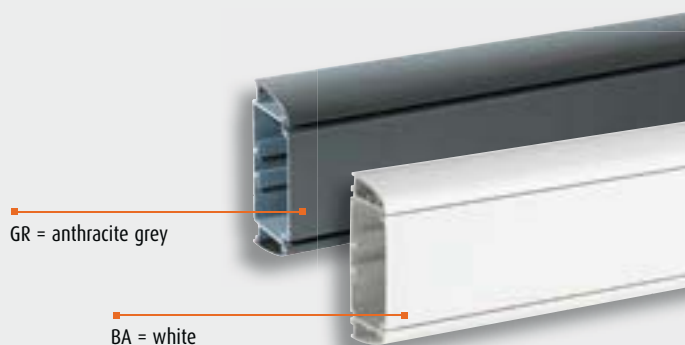
### SPECIAL FINISHINGS

To allow not only complete fitting into any architectural context but also use in surroundings of artistic value, the colour range of the covers is extended with special finishings such as: Swiss pear, Matt veined black, White ash. These special finishings are available for the covers of the PVC and aluminium trunking and for the column covers.



### T60 TRUNKING FINISHINGS

To realize an aesthetically pleasant work environment, even though with a limited chromatic choice, T60 trunkings are available, in white and anthracite grey finishes, both in the dimensions 120x60 mm and 200x60 mm. Their profile is characterized by aesthetical side panels already integrated in the trunking structure; moreover, the front cover is supplied as standard.



## Features of aluminium trunkings

### MECHANICAL FEATURES OF ALUMINIUM TRUNKINGS

#### Material

The trunking is made in extruded aluminium with surface anodising.

#### Mechanical structure

The special profile of the trunking and the system for joining the linear components mean that the deflection can be kept within the values laid down by Standard CEI 23-31 (see table).

The conditions laid down by standard CEI 23-31 are ensured with the loads indicated in the table because the deflection ( $f$ ) is less than  $0.02D$ , where  $D$  is the distance between the support points.

This condition is checked by applying the distributed loads  $PD$  to the trunking (this is the load per linear metre formed by the weight of the wires in the trunking), as indicated in the table:

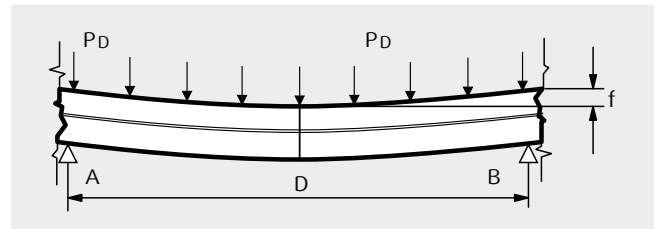
#### Composition

The aluminium trunking package contains:

- straight component (2m);
- earth wires;
- pair of back joints.

Type of trunking	Distance D between the support points (mm)	Distributed load PD (kg)
120x60 mm	1000	6.82
	1500	10.23
120x120 mm	1000	13.64
	1500	20.46
bell-shaped profile *	1000	8.38
	1500	12.55

\* In the trunking with bell-shaped profile the applied loads refer to just the upper compartment and all the side compartments.



### ELECTRICAL FEATURES OF THE CONNECTIONS BETWEEN ALUMINIUM TRUNKINGS

The components for the junction and electrical connection of the trunking ensure equipotentiality.

The electrical resistance of the connections is:

≤ 200 μΩ with the pair of joints item 120049

≤ 100 μΩ with the pair of wires supplied with the trunking.

#### Maximum radius of curvature of the wires in the path accessories

Type of trunking	Accessory	Item	Maximum radius (mm)
PVC and aluminium 120x60 mm	flat corner	121005..	145
	internal and external corner	121003..	165
		121004..	
	T and X junction	121006..	125
	flat corner	121107..	
PVC 200x60 mm	flat corner	122005..	145
	internal and external corner	122003..	165
		122004..	
	T-junction	122006..	135
		122007..	
Aluminium and bell-shaped profile 120x120 mm	flat corner	121205..	145
	T and X junction	121202..	125
		121203..	

## Features of INTERLINK OFFICE trunkings

The trunking systems have the following features:

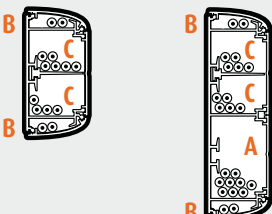
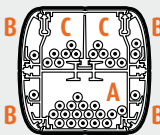
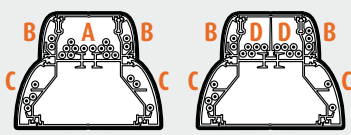
- IP40 degree of protection;
- shock resistance: 2 Joules (PVC);
- accessories disassembled using specific tools;
- trunking used to carry wires and devices;
- the aluminium trunking is not designed for use as a protection conductor.

The trunking conforms to the following standards:

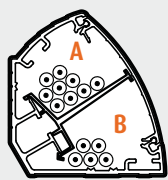
- CEI 23-32 (PVC trunking);
- CEI 23-31 (aluminium trunking).

When installing the trunking remember to apply the filling coefficient of 50% according to CEI 64-8 in the compartment which will house power wires.

### QUANTITY OF WIRES WHICH CAN BE INSTALLED IN WALL AND CEILING MOUNTED TRUNKINGS

Type of trunking	Profile	Compartment	Compartment section	Number of wires which can be installed			
				1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	4 mm <sup>2</sup>	6 mm <sup>2</sup>
PVC 120x60 mm and 200x60 mm Aluminium 120x60 mm		A	38	278	192	146	84
		B	3.6	26	18	13	7
		C	16.5	120	84	64	36
Aluminium 120x120		A	38	278	192	146	84
		B	3.5	25	17	13	7
		C	16.5	120	84	64	36
Aluminium Bell-shaped		A	38	278	192	146	84
		B	3.5	25	17	13	7
		C	13.5	98	68	52	30
		D	16.5	120	84	64	36

### QUANTITY OF WIRES WHICH CAN BE INSTALLED IN WORKSTATION AND CORNER TRUNKINGS

Type of trunking	Profile	Compartment	Compartment section	Number of wires which can be installed			
				1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	4 mm <sup>2</sup>	6 mm <sup>2</sup>
PVC and aluminium workstation (1)		A	16.6	118	86	58	42
		B	17.8	127	92	62	45

**NOTE: (1)** Single-lamp light diffusers can be installed in the aluminium trunking, only wall or ceiling mounted installations.

# Features of INTERLINK OFFICE trunkings

## QUANTITY OF WIRES WHICH CAN BE INSTALLED IN WALL AND CEILING MOUNTED TRUNKING WITH DEVICE-HOLDER BOXES AND ACCESSORIES

The information given in the table below refers to the installation of the various device-holder boxes in the 120x60 mm compartment of the PVC and aluminium trunking. No information is given on the remaining section of the lower compartment of the bell-shaped trunking because:

- the compartment has been sized for use mainly for the installation of lamp-holder boxes. Any use of the compartment to house numerous wires (use as wire-holder trunking) is forbidden;
- the size of the device-holder boxes installed in the compartment has a marginal influence on its total section. The remaining space can contain the wires of any devices installed (IR receivers, smoke detectors etc.).

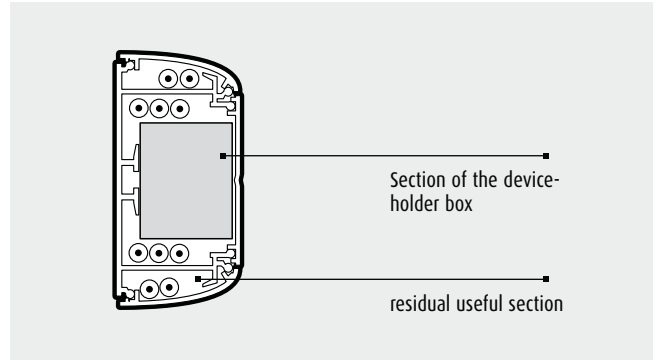


Table to determine the number of wires which can be installed in the trunking depending on the size of the device-holder accessories installed

Accessory item	Box size (cm <sup>2</sup> )	Residual useful section (cm <sup>2</sup> )	% residual section	Number of wires which can be installed in the trunking			
				1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>	4 mm <sup>2</sup>	6 mm <sup>2</sup>
120023	28.8	9.2	24	67	46	35	20
120048	28.8	9.2	24	67	46	35	20
120022	25.4	12.6	33	92	64	48	27
120024	25.4	12.6	33	92	64	48	27
120006	22.7	15.3	40	112	77	59	34
120007	24	14	36	102	71	54	31
120008	32.2	58	15	42	29	23	12

## QUANTITY OF WIRES WHICH CAN BE INSTALLED IN WORKSTATION AND CORNER TRUNKING WITH DEVICE-HOLDER BOXES AND ACCESSORIES

The information given in the following table allows the calculation of the quantity of wire which can be installed in the workstation trunking when the various device-holder boxes are inserted.

The quantity of wire which can be inserted in the 80x80 trunking if the lamp-holder is installed is also given.

### WORKSTATION

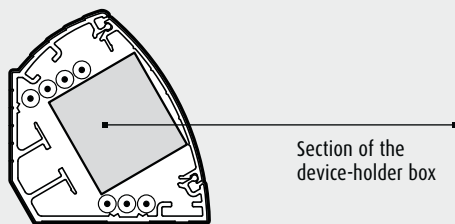


Table to determine the number of wires which can be installed in the workstation trunking depending on the size of the device-holder accessories installed

Accessory item	Box size (cm <sup>2</sup> )	(% residual section	Number of wires which can be installed in the trunking			
			1.5mm <sup>2</sup>	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup>
120023	28.8	28.7	82	60	40	28
120048	28.8	28.7	82	60	40	28
120026	28.8	28.7	82	60	40	28
120022	25.4	37	107	78	52	38
120024	25.4	37	107	78	52	38