

# Industrial Catalogue



**Research as standard**

Specialist and innovative  
manufacturer since 1964

[www.unex.net](http://www.unex.net)







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# Unex online: Tools for specification

[www.unex.net](http://www.unex.net)

## Technical information

- Technical specifications
- Mounting instructions
- Different database formats



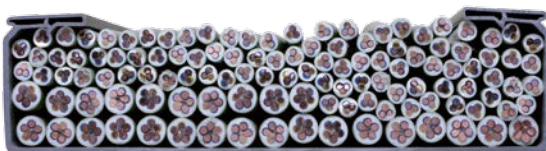
## Configurator

- Unex cable tray's configurator allows you to obtain a complete list of materials



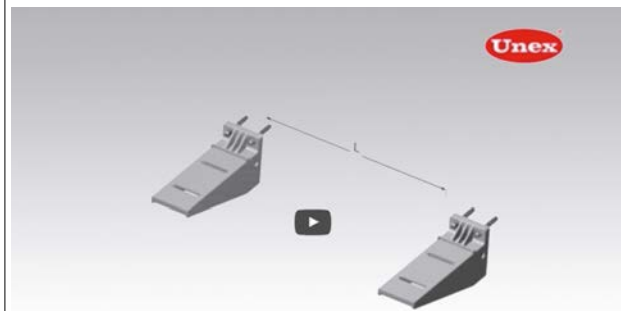
## Unexproject

- Your tool for dimensioning the cable tray according to the cables you are using in your project



## YouTube Unex Solutions

- Mounting videos



## EPLAN

Unex products are available in the EPLAN Data Portal, classified as "Electrical engineering" and "Mechanics".



## Databases

As a customer-oriented company, we provide our data in different formats: BIM-REVIT and 3D-DWG.

## Company profile

Cable distribution		Insulating cable tray	66	U23X			
		Trunking light grey RAL 7035 colour	73	U23X			
Cable distribution and mounting of switches and sockets		Trunking white colour	73	U23X			
Connection and branch boxes		Connection and branch boxes	40	U24X			
Mounting of switches and sockets and supply of workstations	Wall		Trunking white colour	93	U23X		
			Trunking aluminium colour	93	U23X		
			Trunking in aluminium	93	Aluminium		
		Mini trunking white colour	78	U23X			
		Skirting board duct	80	U23X			
	Ceiling		Service pole	50	Aluminium		
			Furniture supply	51	U24X		
Floor		Service post	50	U24X			
		Floor box	52	U24X			
HVAC distribution		Trunking white colour	30	U23X			
		Trunking	31	U23X			
Cable conduction in cabinets and machinery supply		Slotted trunking	77	U23X			
		Trunking	07	U23X			
Halogen free		Insulating cable tray	66	U48X			
		Trunking white colour	73	U41X U43X			
		Trunking white colour	93	U41X U43X			
		Mini trunking white colour	78	U41X U43X			
		Slotted trunking	88	U43X			
		Cable ties	22	U61X U60X			
		Cable ties HD/PP For chemical environments	22	U71X PP			
		Detectable cable ties DT	22	U62X			
		Fixings	25	U63X U64X			
		Fixings	26	U60X			
	Marking system	18					



## Unex, specialist and innovative manufacturer in insulating solutions

Independent European Group, specializing in insulating systems for conduction, tying, fixing and marking of cables and tubes, offering adequate solutions adapted to all market demands.



## Quality management system

Certification ISO 9001:2008

Exigency and control in service management and manufacturing processes to guarantee the final quality of the product and the satisfaction of the client.



Unex aparellaje eléctrico, S.L.

## Unex: respect for the environment



## Environment-friendly solutions

### RoHS Directive

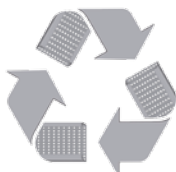


The European Directive RoHS **limits the use of substances considered as dangerous by the EU.**

Therefore, the use of RoHS compliant products contributes to **sustainable construction** and preserves safety for persons and for the environment.

By formulating its own raw materials, Unex stands-up for the environment: all raw materials and final products comply with the RoHS Directive.

### Recycling / Waste reduction



**Unex solutions are mechanically recyclable** due to grinding and transformation processes.

Sustainable product simplifying the separation and management of the residues.





## Environmental policy

In parallel to progress in raw materials and final products, **Unex aparellaje eléctrico S.L.** develops all its activities under a sustainable use of natural resources, an efficient utilization of energy and the respect for the environment, for our clients and for its own team.

Therefore, we have implemented **an environmental management system** according to the requirements of ISO 14001:2004, certified by Aenor, for the design and commercialisation of all Unex systems.

ISO 14001:2004



Unex collaborates with European Foundation Vinyl Plus, voluntarily undertaking to improve production processes and promote recycling.

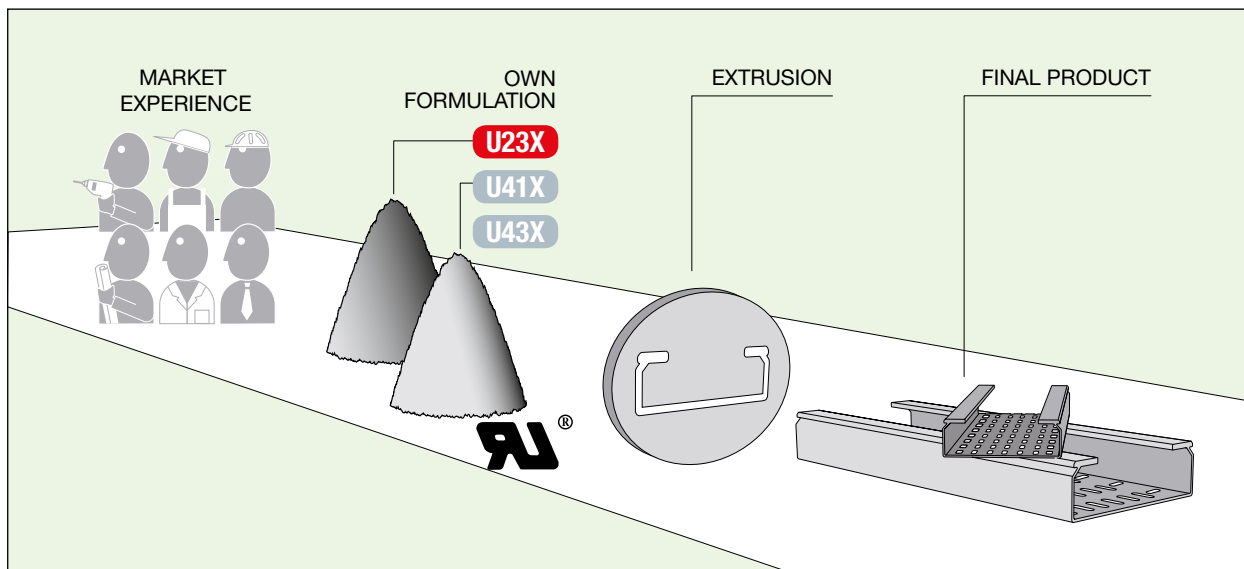
VINYL PLUS



# Unex raw materials

## Own formulation

A close contact with our clients together with our 50 years experience in the electrical sector and the participation in international regulatory committees, allow us to be able to discover the market needs and adjust to its requirements. Therefore, Unex designs its own raw materials.

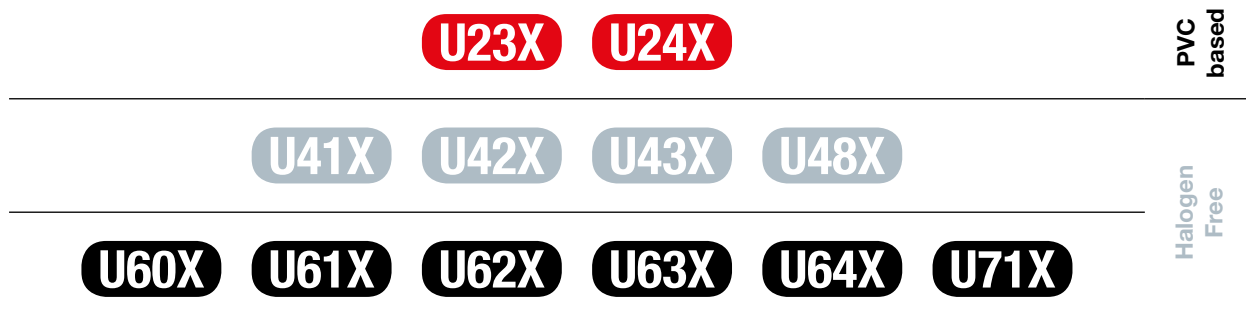


Unex raw materials have been **certified** by the control agency UL - Underwriters Laboratories (USA), which assures the compliance of all **technical characteristics**. UL approval for raw material U23X, U41X and U43X in grey colour. ([www.ul.com](http://www.ul.com))

## Own naming system

To properly identify the product's raw materials and outstand them from standard ones, Unex developed its own naming system.

Each raw material is identified by its own logo



See technical specifications by product range on [www.unex.net](http://www.unex.net)



## Benefits

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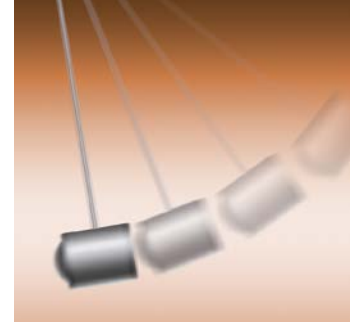
Unex designs its own raw materials in order to obtain the most performing features regarding:



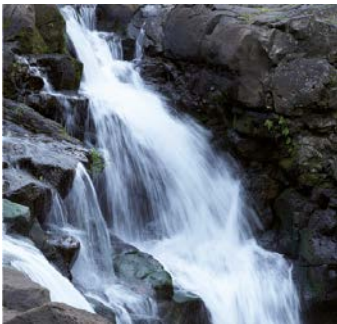
**Respect for the environment**



**Load capacity**



**Impact absorption**



**Resistance to corrosion**



**Exposure to the UV rays**



**Resistance to extreme temperatures**



**Reaction to fire**



**Safety and responsibility**



**Reliability**

## Differentiated solutions

### Security and reliability: total protection for the user

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Unex offers insulating solutions, eliminating the risk of indirect contacts and reducing the origin of fire. Earthing not required. Our products comply with the most demanding national and international regulations.

### Evolution and adaptability

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The technological evolution increases the complexity of the installations. Unex insulating solutions adapt to new necessities allowing the cabling to be modified and extended easily. The impact of installation and maintenance work is reduced.

### Integration and aesthetics

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Unex designs its products with neutral and rectilinear shapes, in different finishings and materials in order to be adapted in any environment, place or type of construction.

### Global solutions

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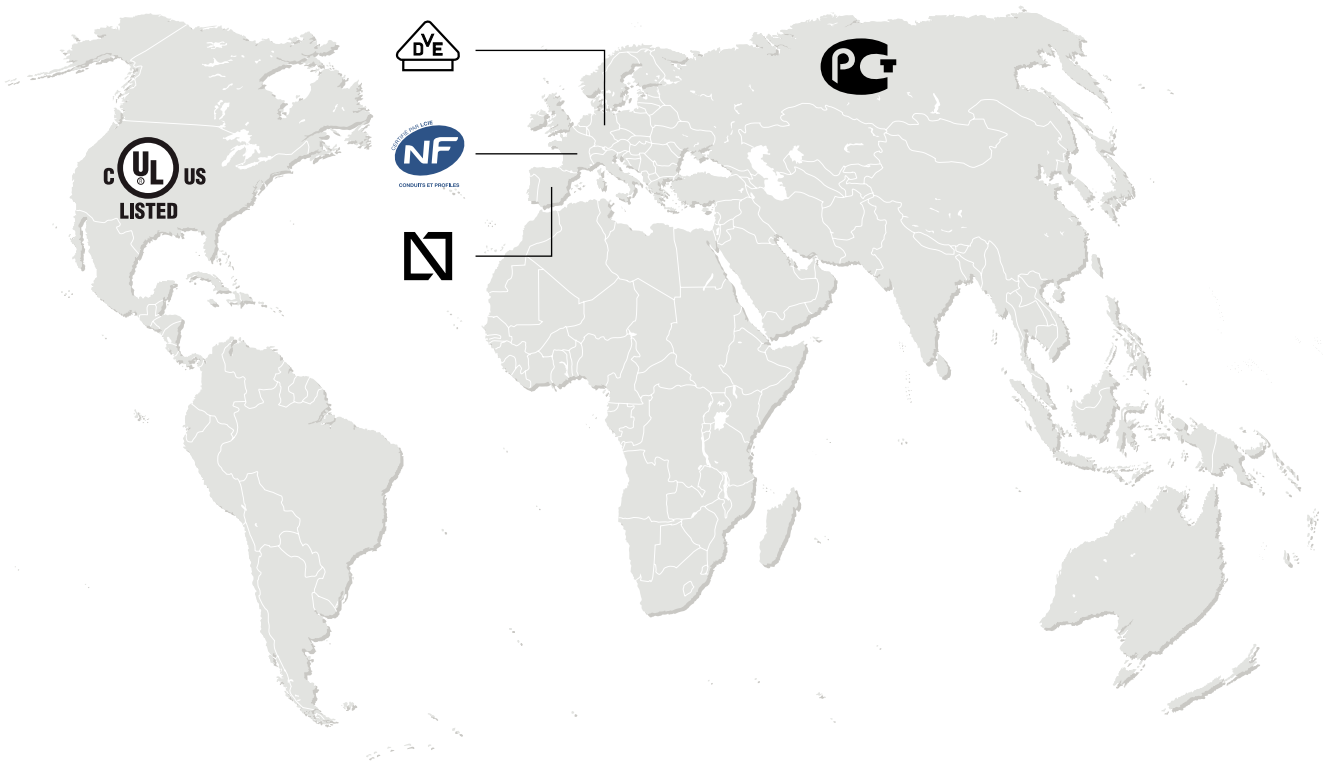


Complete range of products offering the maximum functionality with the minimum number of part numbers.

# Quality Marks: Added value over CE marking

The quality of Unex solutions is guaranteed by the strict accomplishment of product and application standards, as well as by obtaining quality marks and approvals.

Installing products with quality marks is the best warranty that the product complies with all the current regulations and that all technical data are periodically checked or verified by an independent control agency.



## How do you recognize a product with certified quality?

The quality marks of Unex products are clearly visible on the product and on the label.





# Packaging: design, coherence and protection

A packaging designed to protect the product's characteristics during transport and handling, thanks to the cardboard's rigidity.



- **Individual identification** in any storage position, with bar code EAN-13.
- Individual, transparent and resistant **bags**.
- **Protective film** against foreign substances.
- **Seal of warranty**.
- **Mounting instructions** included.

## Simplified delivery



**The most sophisticated information** systems assure that the products are traceable all along the supply chain.

- **Information labels** about the contents, its application and accessories, as well as quality marks and RoHS compliancy status.
- **Packages** are marked to enable recycling.

# Service: Our added value

## Production

Unex production capacity is assured by our 2 manufacturing plants. Strict control of the entire process from design to sales.

**Unex aparellaje eléctrico S.L.** does not manufacture for other trademarks.

Made in Europe, state-of-the-art technology!



## First-class logistics

We guarantee reliable delivery and immediate availability, assured by complete stock in our logistics centre and our world-wide distribution network.



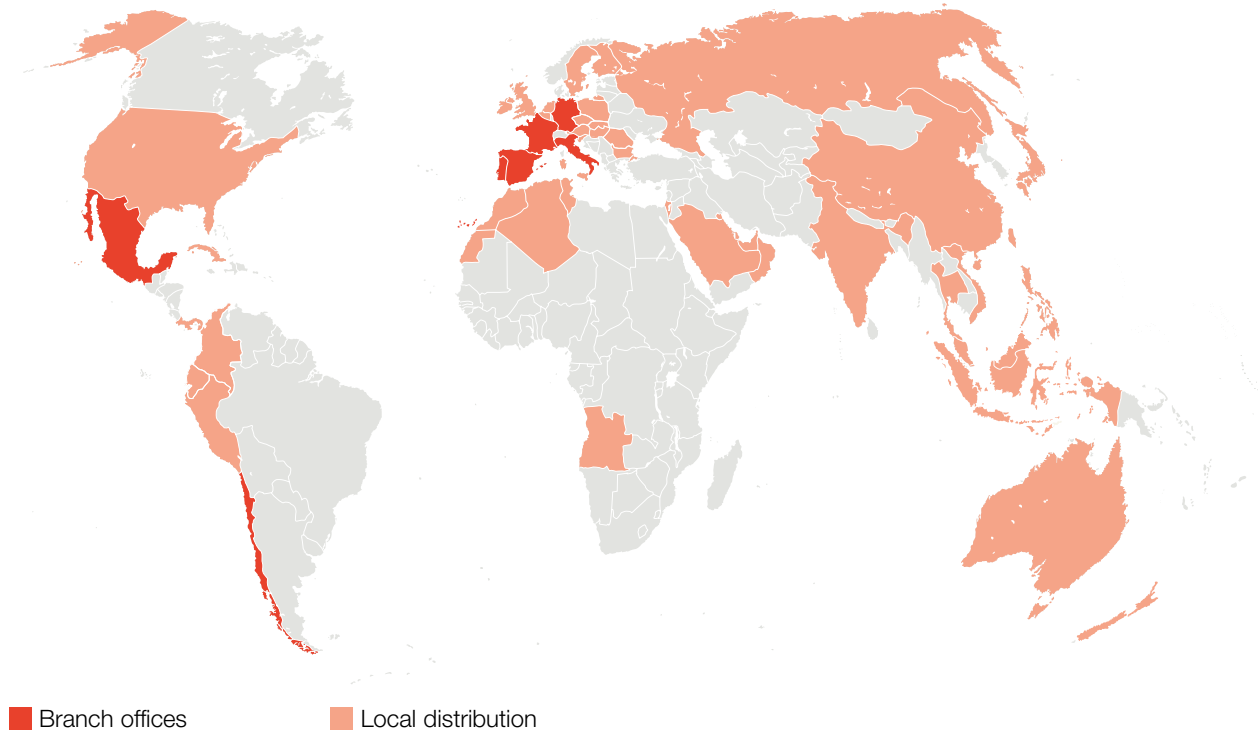
## Respect and commitment with regard to professional distribution

100% sales through our distributors and wholesalers world-wide.



# World-wide commercial network

Expansion policy through our commercial offices in Germany, France, Italy, Spain, Portugal, Chile, Mexico and a wide international presence.



## Germany

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70565 Stuttgart  
Phone: +49 711 78 19 35 30  
Fax: +49 711 78 19 35 59  
e-mail: [vertrieb@unex.net](mailto:vertrieb@unex.net)  
Branch office: Düsseldorf

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Phone: +33 4 78 43 69 55  
Fax: +33 4 78 43 71 99  
e-mail: [unex@unex.fr](mailto:unex@unex.fr)  
Branch offices: Aix en Provence, Lyon, Nantes, Paris, Strasbourg

## Italy

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e-mail: [commerciale@unex.net](mailto:commerciale@unex.net)  
Branch office: Florence

## Spain

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Branch offices: A Coruña, Barcelona, Bilbao, Gijón, Las Palmas, Madrid, Mallorca, Murcia, Sevilla, Tenerife, Valencia, Valladolid, Zaragoza

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1600-196 Lisboa  
Phone: +351 21 781 6420  
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e-mail: [unex@unex.pt](mailto:unex@unex.pt)  
Branch office: Porto

## Chile

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C.P. 8551378 - Conchalí  
Santiago - Región Metropolitana  
Phone: +56 2 2623 49 81  
Fax: +56 2 2624 15 73  
e-mail: [unex@unex.cl](mailto:unex@unex.cl)

## Mexico

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Piso 6, Unidad 6-1-01  
Col. Lomas de Santa Fe  
Delegación Álvaro Obregón  
001219 Ciudad de México  
e-mail: [ventas@unex.com.mx](mailto:ventas@unex.com.mx)



# Technical assistance

## Human team

A close collaboration with our clients allow us to discover the market needs and adjust to their requirements.

This is the aim of all professionals that form Unex human team.



## Commitment of immediate response

Personal advice through our own team of sales engineers, technical visits, seminars and project follow-up.

PERSONALIZED TECHNICAL ASSISTANCE  
[technical.assistance@unex.net](mailto:technical.assistance@unex.net)

CUSTOMER SERVICE  
[international@unex.net](mailto:international@unex.net)

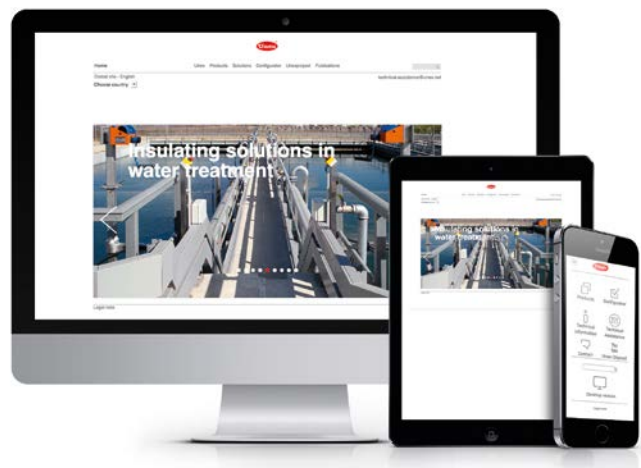
## www.unex.net

Unex company invests in new technology, offering useful and efficient tools.

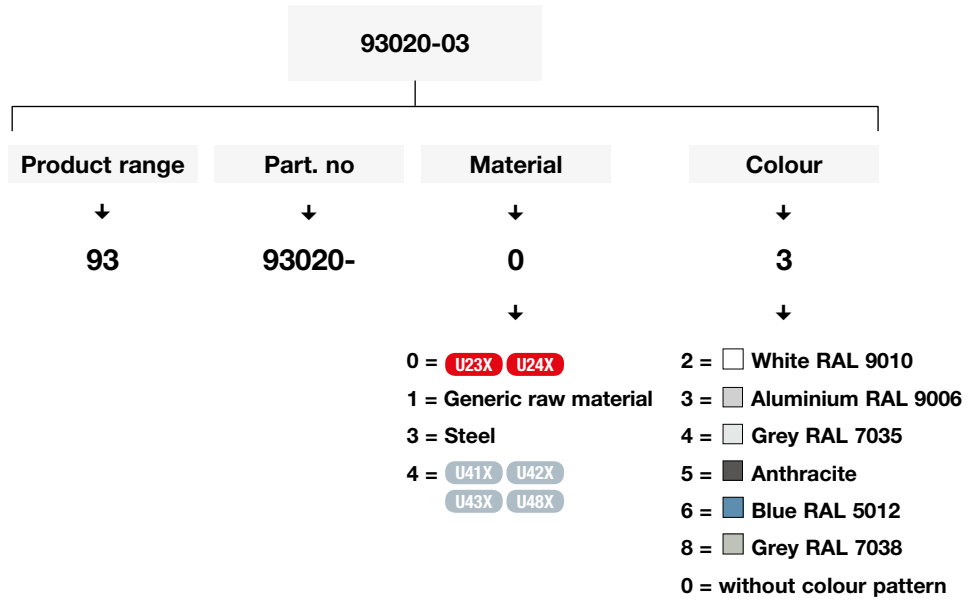
On our website you can find useful tools, such as:

- Configuration.
- Calculation and dimensioning.
- Download technical specifications.
- See and download different publications.
- Mounting videos of Unex Cable tray 66.

**YouTube** - On the Youtube Unex Solutions, find practical mounting videos.



## Part number structure



### Material

	<span style="background-color: red; color: white; padding: 2px;">U23X</span> <span style="background-color: red; color: white; padding: 2px;">U24X</span>	<span style="border: 1px solid black; border-radius: 5px; padding: 2px;">U41X</span> <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">U42X</span> <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">U43X</span> <span style="border: 1px solid black; border-radius: 5px; padding: 2px;">U48X</span>		Steel
Colour	White	<b>-2</b>	<b>-42</b>	
	Aluminium RAL 9006	<b>-03</b>		<b>-33</b>
	Grey RAL 7035	<b>-04</b>	<b>-44</b>	
	Grey RAL 7038		<b>-48</b>	
	Anthracite	<b>-05</b>		
	Blue RAL 5012	<b>-06</b>		

## Part number example

<span style="font-size: 2em; font-weight: bold;">73</span> <span style="background-color: red; color: white; padding: 2px; border-radius: 5px; font-weight: bold;">U23X</span> <span style="border: 1px solid black; border-radius: 5px; padding: 2px; display: inline-block;">Grey</span>	Trunking				
	Trunking sizes (mm)	16x16	20x30	30x40	40x40
<span style="border: 1px solid black; border-radius: 5px; padding: 2px; display: inline-block;">Grey</span> RAL 7035 (Part no. 73xxx-04 and 78xxx-04)					
Maximum number of compartments	1	1	1	1	
	<b>Mini trunking</b> L = 2 m	<b>78031-04</b>	<b>78043-04</b>		
	<b>Trunking</b> Note: 1 cable retainer every 0,5 m is included.      L = 3 m			<b>73010-04</b>	<b>73020-04</b>
<b>Material</b>	<b>Colour</b>	<b>Product part number</b>			





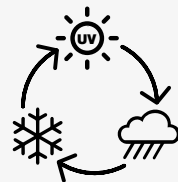
Cable conduction  
and protection  
system

# Insulating cable tray 66

raw material  
colour

**U23X**

**Grey**



# 66

**U23X**

Grey

Insulating  
cable tray

For support, protection and conduction of cables

- **Good performance outdoors and to corrosion due to over 40 years experience in outdoor installations.**
- Insulating material, providing electrical safety.
- Designed to support full load.

Raw material

**U23X**Cable trays and  
elements

Compliant



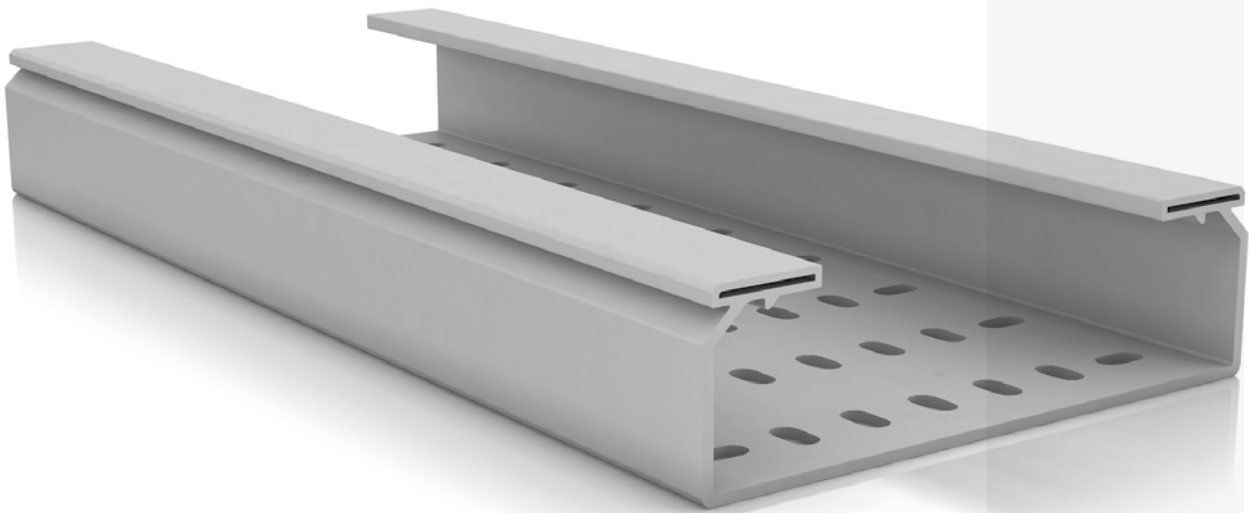
Technical characteristics

<p><b>Electrical</b></p> <p><b>IEC 61537*</b></p> <p>Insulating material. No earthing required.</p>	<p><b>Mechanical</b></p> <p><b>IEC 61537*</b></p> <p>20J at -20°C (except 60x75: 5 J and 60x100: 10 J).</p> <p>IK10 acc./EN 50085-2-1 (cable tray with cover).</p>	<p><b>Service temperature</b></p> <p><b>IEC 61537*</b></p>	<p><b>Corrosion</b></p> <p><b>ISO/TR 10358 DIN 8061</b></p> <p>Good resistance to corrosion and to chemical agents.</p>
<p><b>Outdoors</b></p> <p>Suitable for outdoor</p> <p><b>ANSI/UL 568</b></p> <p>Good performance outdoors and with exposure to UV rays.</p>	<p><b>In front of fire</b></p> <p>Glow-wire test at 960°C. Non flame propagating. Reaction to fire, Class M1 acc./UNE 201010. Flammability test UL94: V0 (thickness of the material tested: 2.5 mm).</p>		

\* The values indicated according to IEC 61537 have been tested under the equivalent standard EN 61537. BS EN 61537 is the UK implementation of EN 61537 and IEC 61537.

Insulating  
cable tray

**66** **U23X**  
Grey



Length

**3 m**

Colour

**Grey**

**RAL 7035**

Non perforated  
or perforated base

### Quality marks



### Approvals



### Conformity declaration



See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)

66

U23X  
Grey

Insulating  
cable tray



Petrochemical industry



Railway infrastructure



Airport: technical gallery





Water treatment: desalination plant



Railway infrastructure



Waste water treatment plant

66

U23X

Grey

Insulating  
cable tray



Photovoltaics



Pharmaceutical industry

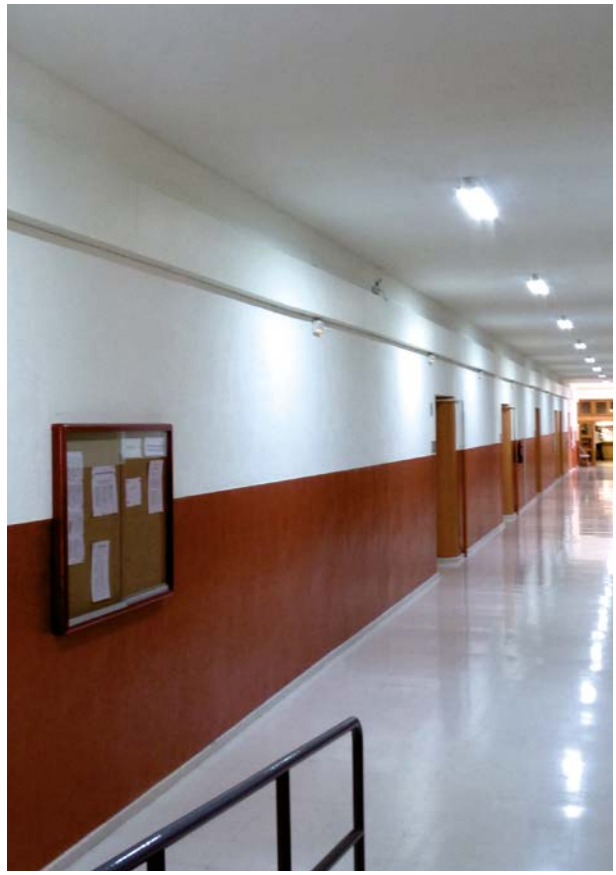


Infrastructure: parking





Work spaces: conference hall



School

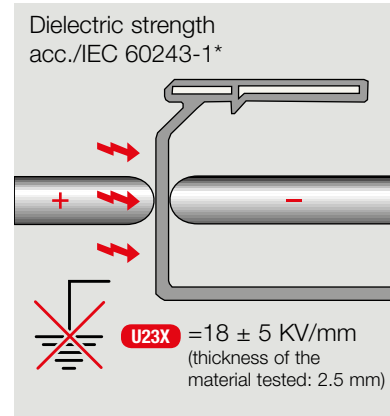
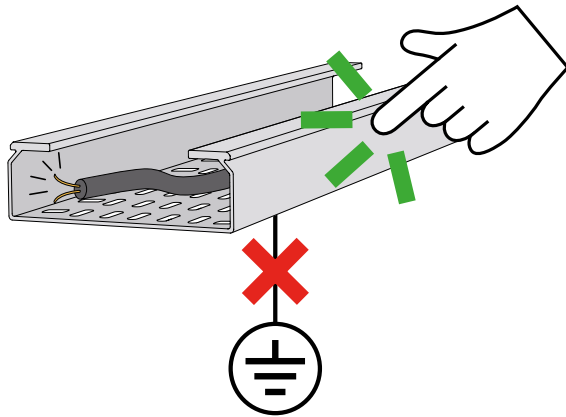


Infrastructure: harbour

# Higher safety for the installation

Insulating material: increased protection for people and cables

Provides additional insulation for people and cables, which remains unaltered in the course of time.



\* BS EN 60243-1 is the UK implementation of EN 60243-1 and IEC 60243-1.

Insulating material:

Advantages	Benefits
<p>Avoids creepage towards the conducting element:</p> <ul style="list-style-type: none"> <li>• Risk of indirect contacts with the conducting element is reduced.</li> <li>• Possible sources of fire are reduced.</li> <li>• No need to earth the conducting element.</li> <li>• Avoids hot spots and electrical arcs between cables and cable tray.</li> </ul>	<p>Increased protection for people and cables.</p>
<p>Increased protection against indirect contacts: Provides an insulating enclosure:</p> <ul style="list-style-type: none"> <li>• Protection degree IP3X/IP2X: Cable tray + cover.</li> <li>• Protection degree IP3XD: Non perforated cable tray + cover + joint cover piece + flat corners and semi T cover.</li> </ul>	
<p>No earthing required:</p> <ul style="list-style-type: none"> <li>• No maintenance.</li> </ul>	<p>Cost saving due to the ease of the installation, project management and maintenance.</p>



## Good resistance to corrosion

The raw material assures excellent behaviour in front of corrosion; this feature is inherent, **it is not achieved by applying a coating to the final product.**

Therefore, the corrosion protection remains unchanged:

- In the course of time.
- After cutting and manual processing the material in the worksite.



## Outdoor behaviour

Unex insulating cable trays are designed to assure a good protection against the UV rays:

- Own raw material formulation, suitable for UV rays exposure.
- Unex insulating cable trays are endorsed by **40 years' experience** in outdoor installations.

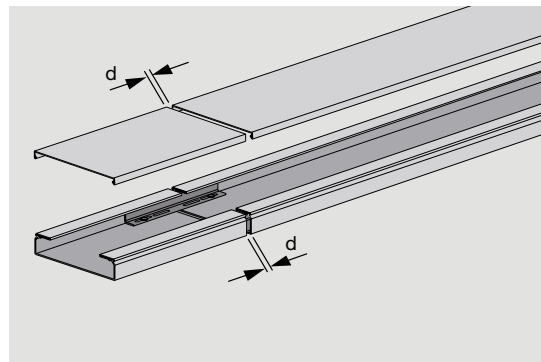


Unex insulating cable trays are designed to absorb linear expansion. The **“d” distance** between two lengths varies depending on the difference between the maximum temperature and the installation temperature.

### Separation between lengths

$\Delta T$ (°C)	d (mm)
20	5
30	7
40	9
50	11

$$\Delta T = T_{\max} - T_{\text{inst.}}$$



# 66

**U23X**  
Grey

Insulating  
cable tray

## High impact absorption

### Impact test acc./IEC 61537\* at the minimum declared temperature.

Unex designs its cable trays to avoid impact damage at their lowest declared temperature (-20°C).

Impact resistance	Minimum temperature
20 J	-20°C

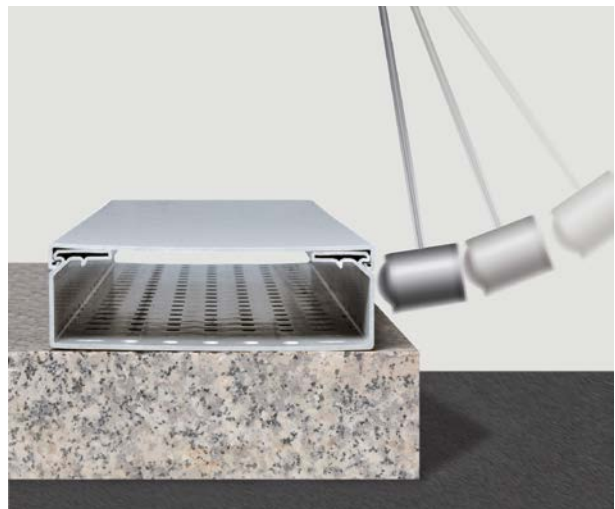
Except sizes 60x75: (5 J) and 60x100: (10 J).



### Impact test acc./EN 50085-1\*

Unex insulating cable tray with cover, by complying with the European Standard EN 50085-2-1\*, is considered a protecting enclosure (trunking).

Impact test for trunkings: IK10 (with cover fixing).



## Reaction to fire

Unex cable tray passes the flammability and flame-propagation tests included in IEC 61537\* with the best classification required from organic materials.



### Glow-wire test IEC 61537\*.

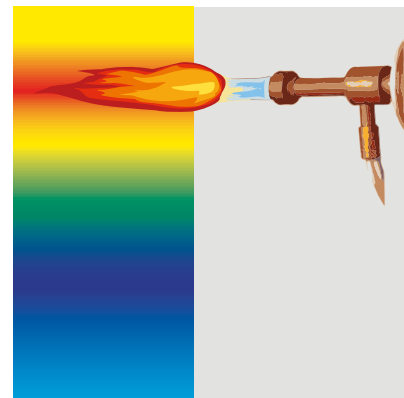
Test measuring the material's flammability by overheating a conductor.



### Non-flame propagating IEC 61537\*.

Test measuring flame spread caused by electrical ignition sources.

**Flammability test UL94: V0**  
(thickness of the material tested: 2.5 mm).



### No heat propagation.

As a result of the low thermal conductivity of insulating materials, no hot spots are generated away from the fire source.

\* BS EN 61537 is the UK implementation of EN 61537 and IEC 61537.

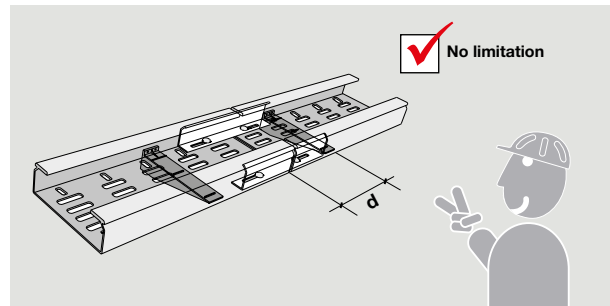
\* BS EN 50085-1 is the UK implementation of EN 50085-1.

## Designed to work at 100% cable capacity

### Safe working load test **Type I acc./IEC 61537\***

- Longitudinal deflection <1% and transverse deflection <5%.
- Safety coefficient **1.7**.

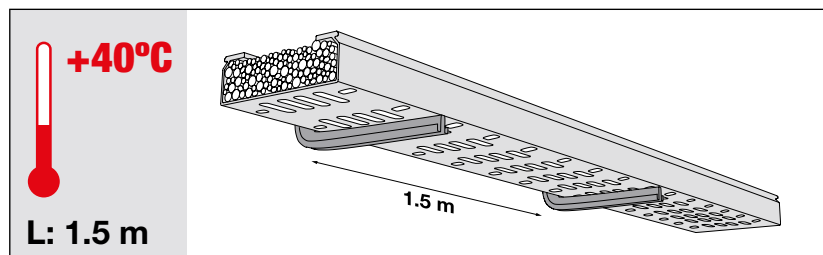
Allows placing the junctions at any point between two brackets, assuring the safe admissible load.



## Type I full load

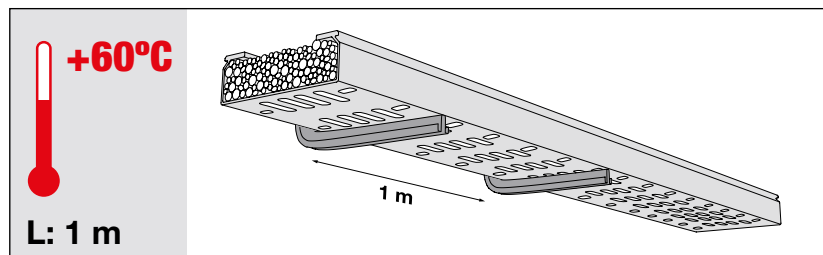
### Higher safety for the installation.

Simpler calculation process in the design of the cable tray, execution and control of the installation. Load resistance in future extensions of the installation.



Unex has designed a cable tray which is able to:

- Support the load of all the cables that may fit in the tray, considering the filling ratio.



## Safe working load (SWL) in (kg/m) or (N) acc/ IEC 61537\*

Sizes (mm)	60x75	60x100	60x150	60x200	60x300	60x400	100x200	100x300	100x400	100x500	100x600
<b>Safe working load (Kg/m) SWL</b>	<b>7.9</b>	<b>10.8</b>	<b>16.6</b>	<b>22.5</b>	<b>33.7</b>	<b>45.6</b>	<b>37.6</b>	<b>57.3</b>	<b>77.2</b>	<b>96.6</b>	<b>116.5</b>
<b>Safe working load (N) SWL</b>	<b>78</b>	<b>105</b>	<b>162</b>	<b>220</b>	<b>330</b>	<b>446</b>	<b>369</b>	<b>561</b>	<b>756</b>	<b>946</b>	<b>1141</b>

For cable trays of width  $\geq 300$  mm the use of a base union is necessary to comply with the requirements of full load transverse deflection defined by international Cable trays Standard IEC 61537.

## Packaging

A packaging designed to protect the product's characteristics during transport and storage, until the moment of final use.



\*BS EN 61537 is the UK implementation of EN 61537 and IEC 61537.



66

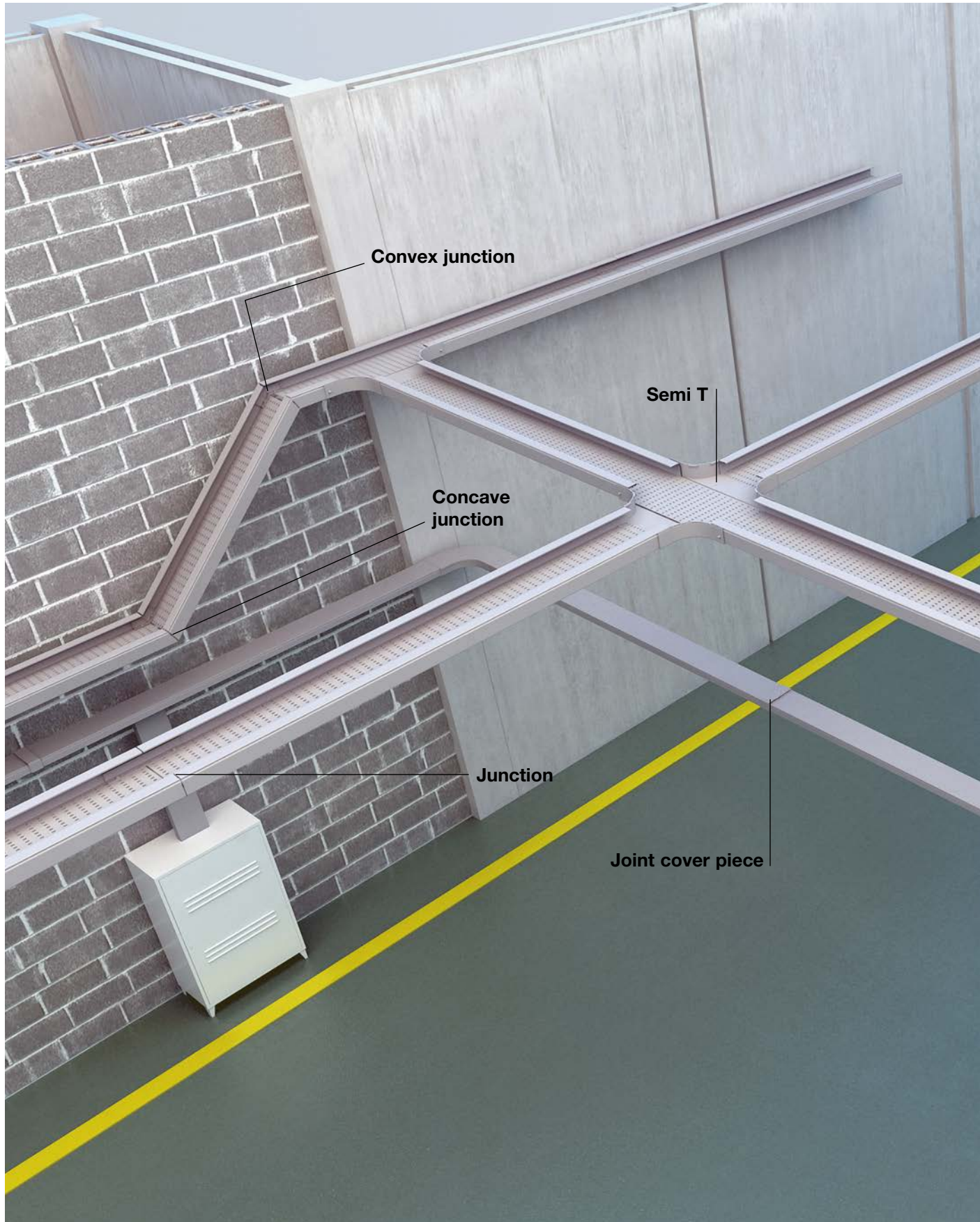
U23X

Grey

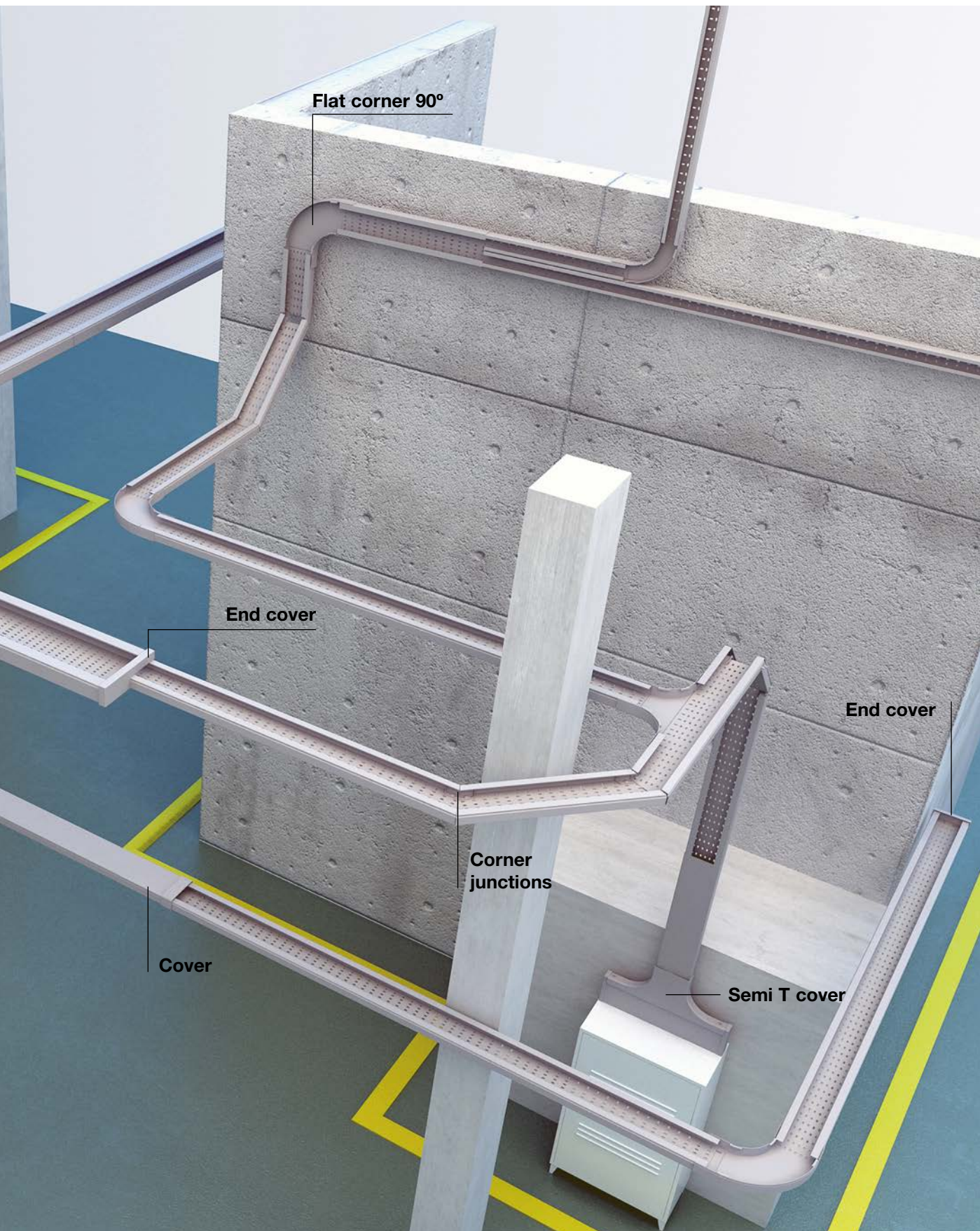
Insulating  
cable tray

# Elements for cable conduction

Safe, easy and quick mounting









66

U23X

Grey

Insulating  
cable tray

# Supporting elements

U23X

Temperature	≤ 40°C	≤ 60°C
Distance between brackets (L)	1.5 m	1 m

## Wall

### Directly (1 level)



#### Horizontal supports in:

- U23X (insulating).
- SST. AISI 304 with grey epoxy coating.
- Galvanized steel with grey epoxy coating.



#### L bracket in:

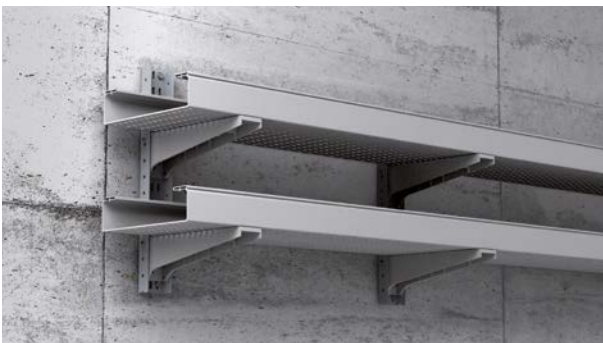
- Steel sendzimir.
- Galvanized steel with grey epoxy coating.



#### Insulating vertical support in U23X ⚠

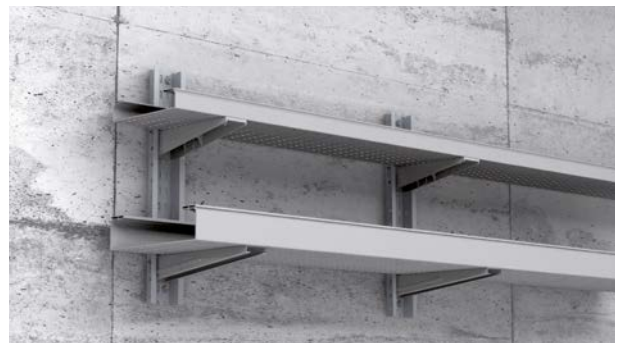
Just one piece: added safety.

### By means of a profile (several levels)



#### Perforated U profile in:

- U23X (insulating).
- With insulating horizontal supports in U23X.



#### Perforated Ω profile in:

- SST. AISI 304 with grey epoxy coating.
  - Galvanized steel with grey epoxy coating.
- With horizontal support U23X and/or metallic.

## Ceiling

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### Two L brackets in:

- Steel sendzimir.
- Galvanized steel with grey epoxy coating.



### Metallic perforated U profile in:

- SST. AISI 304 with grey epoxy coating.
  - Galvanized steel with grey epoxy coating.
- With insulating horizontal supports **U23X**.




### Metallic perforated $\Omega$ profile in:

- SST. AISI 304 with grey epoxy coating.
  - Galvanized steel with grey epoxy coating.
- With horizontal supports **U23X** and/or metallic.


## Floor

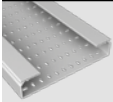




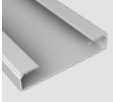


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**Insulating vertical support in **U23X**** 

Just one piece: added safety.







 Trays must be fixed to the insulating vertical supports by means of metal screws in every mounting layout.

		Cable tray sizes (mm)	60x75	60x100	60x150	60x200
 <p><b>Grey</b> RAL 7035 (Part no. 66xxx)</p>						
	<b>Perforated cable tray</b> 3 m		<b>66090</b>	<b>66100</b>	<b>66150</b>	<b>66200</b>
	<b>Non perforated cable tray</b> 3 m		<b>66091</b>	<b>66101</b>	<b>66151</b>	<b>66201</b>
	<b>Cover</b> 3 m		<b>66072</b>	<b>66102</b>	<b>66152</b>	<b>66202</b>

### Junction parts in **U23X**

	<b>Junction with bolt</b>		<b>66824</b>
	<b>Bolts</b>		<b>66832</b>
	<b>Junction without bolt</b>		<b>66825</b>
	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)		<b>66809</b>

### Cable conduction parts in **U23X**

	<b>Divider</b> 3 m		<b>66821</b>
	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)		<b>66809</b>
	<b>Reinforced divider</b> 3 m		<b>66826</b>
	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)		<b>66809</b>
	<b>Divider fixing for telecommunications</b>		<b>66840 (2) (3)</b>
	<b>Divider</b> 3 m		<b>73830</b>

(1) As an alternative for metallic nuts and bolts and plugs, when insulating protection is required, use part numbers 66829 Hexagonal nuts and bolts AISI 304 (M 8x25 DIN 6921) + 66819 Insulating protector for plugs.

(2) Only for perforated cable trays.

(3) Precise 2 fixings per meter of divider in horizontal paths, 3 fixings per meter in vertical paths and 4 fixings per meter in horizontal paths and vertical position.



60x300

60x400

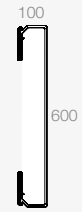
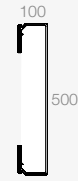
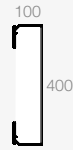
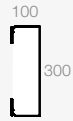
100x200

100x300

100x400

100x500

100x600

**66300****66400****66220****66320****66420****66520****66620****66301****66401****66221****66321****66421****66521****66621****66302****66402****66202****66302****66402****66502****66602****66824****66834****66832****66825****66835**

+

+

**66809****66839 (1)****66821****66831**

+

+

**66809****66839 (1)****66826****66836**

+

+

**66809****66839 (1)****66840 (2) (3)**

+

**73830**

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

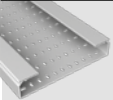
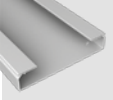
Cable tray sizes (mm)

60x75

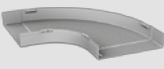


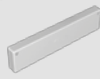

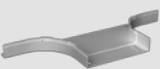



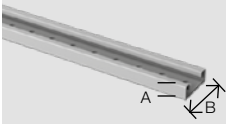
60x100

60x150

60x200

	<b>Grey</b> RAL 7035 (Part no. 66xxx)				
	<b>Perforated cable tray</b> 3 m	<b>66090</b>	<b>66100</b>	<b>66150</b>	<b>66200</b>
	<b>Non perforated cable tray</b> 3 m	<b>66091</b>	<b>66101</b>	<b>66151</b>	<b>66201</b>

### Cable conduction parts in **U23X**

	<b>Flat corner 90°</b>	<b>66060</b>	<b>66110</b>	<b>66160</b>	<b>66210</b>
 4 x	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)	<b>66809</b>			
	<b>Flat corner cover 90° (2)</b>	<b>66061</b>	<b>66111</b>	<b>66161</b>	<b>66211</b>
	<b>End cover (3)</b>	<b>66093</b>	<b>66113</b>	<b>66163</b>	<b>66213</b>
	<b>Joint cover piece</b>	<b>66094</b>	<b>66114</b>	<b>66164</b>	<b>66214</b>
 +	<b>Semi T</b>	<b>66078</b>	<b>66128</b>	<b>66178</b>	<b>66228</b>
 6 x	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)	<b>66809</b>			
	<b>Semi T cover (2)</b>	<b>66079</b>	<b>66129</b>	<b>66179</b>	<b>66229</b>
	<b>Cover fixing IK10 (5)</b>	<b>66845</b>			
 A = 14 B = 36	<b>Tele rail</b> 2 m	<b>6035</b>			
	A = 18 B = 50	<b>6050</b>			

(1) As an alternative for metallic nuts and bolts and plugs, when insulating protection is required, use part numbers 66829 Hexagonal nuts and bolts AISI 304 (M 8x25 DIN 6921) + 66819 Insulating protector for plugs.

(2) Include 4 nuts and bolts part no. 66001 AISI 304 to fix optional cover.

(3) Include 2 nuts and bolts AISI 304.

(4) Part numbers 66428, 66448 and 66548 require 7 screws to fix to the cable tray. Part number 66648 requires 8 screws.

(5) To mount over fixing screws of the unions. Not compatible with bolts.

60x300

60x400

100x200

100x300

100x400

100x500

100x600

<b>66300</b>	<b>66400</b>	<b>66220</b>	<b>66320</b>	<b>66420</b>	<b>66520</b>	<b>66620</b>
<b>66301</b>	<b>66401</b>	<b>66221</b>	<b>66321</b>	<b>66421</b>	<b>66521</b>	<b>66621</b>



<b>66310</b>	<b>66410</b>	<b>66230</b>	<b>66330</b>	<b>66430</b>	<b>66530</b>	<b>66630</b>
+	+	+	+	+	+	+
<b>66809</b>		<b>66839 (1)</b>				
<b>66311</b>	<b>66411</b>	<b>66211</b>	<b>66311</b>	<b>66411</b>	<b>66511</b>	<b>66611</b>
<b>66313</b>	<b>66413</b>	<b>66233</b>	<b>66333</b>	<b>66433</b>	<b>66533</b>	<b>66633</b>
<b>66314</b>	<b>66414</b>	<b>66234</b>	<b>66334</b>	<b>66434</b>	<b>66534</b>	<b>66634</b>
<b>66328</b>	<b>66428 (4)</b>	<b>66248</b>	<b>66348</b>	<b>66448 (4)</b>	<b>66548 (4)</b>	<b>66648 (4)</b>
+	+	+	+	+	+	+
<b>66809</b>		<b>66839 (1)</b>				
<b>66329</b>	<b>66429</b>	<b>66229</b>	<b>66329</b>	<b>66429</b>	<b>66529</b>	<b>66629</b>
<b>66845</b>		<b>66855</b>				
<b>6035</b>						
<b>6050</b>						

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		Cable tray sizes (mm)	60x75	60x100	60x150	60x200
<span style="border: 1px solid black; border-radius: 10px; padding: 2px;">Grey</span> <b>RAL 7035</b> (Part no. 66xxx)						
	<b>Perforated cable tray</b> 3 m		<b>66090</b>	<b>66100</b>	<b>66150</b>	<b>66200</b>
	<b>Non perforated cable tray</b> 3 m		<b>66091</b>	<b>66101</b>	<b>66151</b>	<b>66201</b>

### Other junction parts in U23X

	<b>Base unions (1)</b> Limiting the transversal cable sag. Note: 2 screws are included.	
1 x + 4 x	<b>Corner junctions</b> Mounting corner junctions at 45° Note: A unit is composed by a set of 2 pieces (right and left).  <b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)	<b>66841</b>  +  <b>66809</b>
2 x + 4 x	<b>Convex change</b> - 45° level-changing  <b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)	<b>66842</b>  +  <b>66809</b>
2 x + 4 x	<b>Concave change</b> + 45° level-changing  <b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)	<b>66843</b>  +  <b>66809</b>
2 x + 8 x	<b>Vertical hinge</b> Variable-angle level changing.  <b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)	<b>66813</b>  +  <b>66809</b>
2 x + 4 x	<b>Horizontal hinge</b> <span style="background-color: red; color: white; padding: 2px;">U24X</span>  <b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)	<b>66844</b>  +  <b>66809</b>

(1) For cable trays of width  $\geq 300$  mm the use of a base union is necessary to comply with the requirements of full load transverse deflection defined by international Cable trays Standard IEC 61537.

(2) As an alternative for metallic nuts and bolts and plugs, when insulating protection is required, use part numbers 66829 Hexagonal nuts and bolts AISI 304 (M 8x25 DIN 6921) + 66819 Insulating protector for plugs.

60x300

60x400

100x200

100x300

100x400

100x500

100x600

<b>66300</b>	<b>66400</b>	<b>66220</b>	<b>66320</b>	<b>66420</b>	<b>66520</b>	<b>66620</b>
<b>66301</b>	<b>66401</b>	<b>66221</b>	<b>66321</b>	<b>66421</b>	<b>66521</b>	<b>66621</b>



<b>66820</b>		<b>66820</b>	<b>66830</b>
<b>66841</b>		<b>66851</b>	
+		+	
<b>66809</b>		<b>66839 (2)</b>	
<b>66842</b>		<b>66852</b>	
+		+	
<b>66809</b>		<b>66839 (2)</b>	
<b>66843</b>		<b>66853</b>	
+		+	
<b>66809</b>		<b>66839 (2)</b>	
<b>66813</b>		<b>66833</b>	
+		+	
<b>66809</b>		<b>66839 (2)</b>	
<b>66844</b>		<b>66854</b>	
+		+	
<b>66809</b>		<b>66839 (2)</b>	

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Parts for direct wall fixing (one level)

	Cable tray sizes (mm)	60x75	60x100	60x150	60x200
	<p>Grey</p> <p>RAL 7035</p> <p>(Part no. 66xxx)</p>				
	<b>Perforated cable tray</b> 3 m	<b>66090</b>	<b>66100</b>	<b>66150</b>	<b>66200</b>
	<b>Non perforated cable tray</b> 3 m	<b>66091</b>	<b>66101</b>	<b>66151</b>	<b>66201</b>

Parts for direct wall fixing (one level) in **U23X** and steel

	<p>Insulating <b>U23X</b></p> <p><b>Horizontal support</b></p> <p>SST AISI 304 with grey epoxy coating</p>	<b>66103</b>	<b>66153</b>	<b>66203</b>
	<p>Galvanized steel with grey epoxy coating</p>			
<p>+</p> <p>2 x </p> <p><b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)</p>		<b>66809</b>		
	<p>Galvanized steel with grey epoxy coating</p> <p><b>L bracket</b></p>	<b>66106</b>	<b>66206</b>	
	<p>Steel Sendzimir</p>	<b>66107</b>	<b>66207</b>	
<p>+</p> <p>2 x </p> <p><b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)</p>		<b>66809</b>		
	<p>Insulating vertical support <b>U23X</b></p> <p>Note: Use metal screws to fix the tray.</p>	<b>66075</b>	<b>66155</b>	<b>66205</b>
	<p>SST AISI 304</p> <p><b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)</p>	<b>66839 (1)</b>		
	<p>SST AISI 304</p> <p><b>Nuts and bolts</b> (M 8x25 DIN 6921)</p>	<b>66829</b>		
	<p>LDPE</p> <p><b>Insulating protector for plug</b></p>	<b>66819</b>		

(1) As an alternative for metallic nuts and bolts and plugs, when insulating protection is required, use part numbers 66829 Hexagonal nuts and bolts AISI 304 (M 8x25 DIN 6921) + 66819 Insulating protector for plugs.

60x300

60x400

100x200

100x300

100x400

100x500

100x600



66300

66400

66220

66320

66420

66520

66620

66301

66401

66221

66321

66421

66521

66621



66303

66403

66203

66323

66403

66503

66603

+

+

+

+

66423

66523

66623

66424

66524

66624

+

+

+

66809

66839 (1)

66306

+

66307

+

66809

66305

66405

66205

66305

66405

66605

+

+

+

+

+

+

66839 (1)

66829

+

66819

See next page





Parts for wall fixing with profiles (several levels)

	Cable tray sizes (mm)	60x75	60x100	60x150	60x200
	<p>Grey</p> <p>RAL 7035</p> <p>(Part no. 66xxx)</p>				
	<b>Perforated cable tray</b> 3 m	<b>66090</b>	<b>66100</b>	<b>66150</b>	<b>66200</b>
	<b>Non perforated cable tray</b> 3 m	<b>66091</b>	<b>66101</b>	<b>66151</b>	<b>66201</b>

Parts for wall fixing with profiles (several levels) in **U23X** and steel

	<b>Insulating U profile</b> 2 m <b>U23X</b>	<b>66806</b>		
	<b>Insulating horizontal support</b> <b>U23X</b>	<b>66103</b>	<b>66153</b>	<b>66203</b>
	<b>Mounting pin</b> SST AISI 304	<b>66812</b>		
	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)	<b>66809</b>		
	<b>Ω perforated profile</b> L = 0,50 m SST AISI 304 with grey epoxy coating	<b>66837</b>		
	Galvanized steel with grey epoxy coating	<b>66937</b>		
	SST AISI 304 with grey epoxy coating	<b>66897</b>		
	Galvanized steel with grey epoxy coating L = 3 m	<b>66997</b>		
	<b>Insulating U23X</b>	<b>66103</b>	<b>66153</b>	<b>66203</b>
	<b>Horizontal support</b> SST AISI 304 with grey epoxy coating Galvanized steel with grey epoxy coating			
<b>Mounting pin</b> SST AISI 304	<b>66812</b>			
<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)	<b>66809</b>			

(1) As an alternative for metallic nuts and bolts and plugs, when insulating protection is required, use part numbers 66829 Hexagonal nuts and bolts AISI 304 (M 8x25 DIN 6921) + 66819 Insulating protector for plugs.  
 (2) Can be mounted with the mounting pin part no. 66812.

60x300

60x400

100x200

100x300

100x400

100x500

100x600

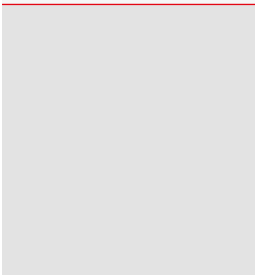






<b>66300</b>	<b>66400</b>	<b>66220</b>	<b>66320</b>	<b>66420</b>	<b>66520</b>	<b>66620</b>
<b>66301</b>	<b>66401</b>	<b>66221</b>	<b>66321</b>	<b>66421</b>	<b>66521</b>	<b>66621</b>



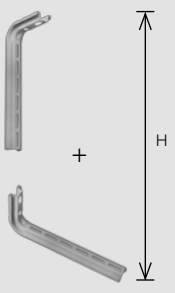


<b>66806</b>						
+	+	+	+			
<b>66303</b>	<b>66403</b>	<b>66203</b>	<b>66323</b>			
<b>66812</b>						
+			+			
<b>66809</b>			<b>66839 (1)</b>			
<b>66837</b>						
<b>66937</b>						
<b>66897</b>						
<b>66997</b>						
+	+	+	+	+	+	+
<b>66303</b>	<b>66403 (2)</b>	<b>66203</b>	<b>66323</b>	<b>66403 (2)</b>	<b>66503 (2)</b>	<b>66603 (2)</b>
	<b>66423</b>			<b>66423</b>	<b>66523</b>	<b>66623</b>
	<b>66424</b>			<b>66424</b>	<b>66524</b>	<b>66624</b>
	+	+		+	+	+
<b>66812</b>	<b>66822</b>	<b>66812</b>		<b>66822</b>		
<b>66809</b>						
<b>66839 (1)</b>						

See next page

Ceiling supports

	Cable tray sizes (mm)	60x75	60x100	60x150	60x200
	Grey RAL 7035 (Part no. 66xxx)				
	<b>Perforated cable tray</b> 3 m	<b>66090</b>	<b>66100</b>	<b>66150</b>	<b>66200</b>
	<b>Non perforated cable tray</b> 3 m	<b>66091</b>	<b>66101</b>	<b>66151</b>	<b>66201</b>

Ceiling fixing parts in steel

	Galvanized steel with grey epoxy coating	<b>66106</b> + <b>66106</b>	<b>66106</b> + <b>66206</b>
	H = 150 mm	<b>66107</b> + <b>66107</b>	<b>66107</b> + <b>66207</b>
	Steel Sendzimir	<b>66206</b> + <b>66106</b>	<b>66206</b> + <b>66206</b>
	<b>L bracket</b> + <b>L bracket</b>	<b>66207</b> + <b>66107</b>	<b>66207</b> + <b>66207</b>
	Galvanized steel with grey epoxy coating	<b>66306</b> + <b>66106</b>	<b>66306</b> + <b>66206</b>
	H = 250 mm	<b>66307</b> + <b>66107</b>	<b>66307</b> + <b>66207</b>
	Steel Sendzimir	<b>66306</b> + <b>66106</b>	<b>66306</b> + <b>66206</b>
	Galvanized steel with grey epoxy coating	<b>66307</b> + <b>66107</b>	<b>66307</b> + <b>66207</b>
	H = 350 mm	<b>66307</b> + <b>66107</b>	<b>66307</b> + <b>66207</b>
	Steel Sendzimir	<b>66829</b> (1)	
2 x 	<b>Nuts and bolts</b> (M 8x25 DIN 6921) SST AISI 304	+	
2 x 	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677) <b>U23X</b>	<b>66809</b> (2)	

(1) To fix both L brackets, use nuts and bolts part no. 66829.

(2) To fix the cable tray to the L bracket, use nuts and bolts part no. 66809.

60x300

60x400

100x200

100x300

100x400

100x500

100x600

<b>66300</b>	<b>66400</b>	<b>66220</b>	<b>66320</b>	<b>66420</b>	<b>66520</b>	<b>66620</b>
<b>66301</b>	<b>66401</b>	<b>66221</b>	<b>66321</b>	<b>66421</b>	<b>66521</b>	<b>66621</b>



<b>66106</b> + <b>66306</b>	
<b>66107</b> + <b>66307</b>	
<b>66206</b> + <b>66306</b>	
<b>66207</b> + <b>66307</b>	
<b>66306</b> + <b>66306</b>	
<b>66307</b> + <b>66307</b>	
<b>66829</b> (1) + <b>66809</b> (2)	

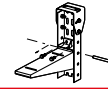
See next page

## Mounting of U perforated ceiling supports

(Compatible with cable trays **up to 60x300 mm**).

In installations with ceiling supports, the load calculations should be checked.

### Perforated U profile



### Supporting elements

		SST AISI 304 with grey epoxy coating	Galvanized steel with grey epoxy coating
	<b>U profile connector</b>	<b>66880</b>	<b>66980</b>
	<b>Nuts and bolts</b> (M 8x25 ISO EN 6921) SST AISI 304	<b>66829</b>	
	<b>Perforated U profile</b> L = 0,25 m	<b>66808</b>	<b>66908</b>
	L = 0,50 m	<b>66838</b>	<b>66938</b>
	L = 3 m	<b>66898</b>	<b>66998</b>
	<b>U profile Protector</b> PVC Plasticized	<b>66902</b>	
	<b>Insulating horizontal support</b>	See table below for horizontal supports (compatible only with insulating supports in <b>U23X</b> ).	
<b>Mounting pin</b> SST AISI 304	<b>66812</b>		

		Cable tray sizes (mm)	60x75	60x100	60x150	60x200
	<b>Perforated cable tray</b> 3 m		<b>66090</b>	<b>66100</b>	<b>66150</b>	<b>66200</b>
	<b>Non perforated cable tray</b> 3 m		<b>66091</b>	<b>66101</b>	<b>66151</b>	<b>66201</b>
	<b>Horizontal support</b> SST AISI 304 with grey epoxy coating	<b>U23X Insulating</b>	<b>66103</b>		<b>66153</b>	<b>66203</b>
	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677) Galvanized steel with grey epoxy coating		<b>66809</b>			

(1) Can be mounted with the mounting pin part no. 66812.

(2) As an alternative for metallic nuts and bolts, when insulating protection is required, use part numbers 66829 Hexagonal nuts and bolts AISI 304 (M 8x25 DIN 6921) + 66819 Insulating protector for plugs.

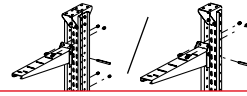


## Mounting of $\Omega$ perforated ceiling supports

(Compatible with all sizes of cable tray).

In installations with ceiling supports, the load calculations should be checked.

### Perforated $\Omega$ profile



### Supporting elements

		SST AISI 304 with grey epoxy coating	Galvanized steel with grey epoxy coating
	<b><math>\Omega</math> profile connector</b>	<b>66890</b>	<b>66990</b>
	<b>Nuts and bolts</b> (M 8x25 DIN 6921) SST AISI 304	<b>66829</b>	
	<b>Perforated <math>\Omega</math> profile</b> L = 0,50 m	<b>66837</b>	<b>66937</b>
	L = 3 m	<b>66897</b>	<b>66997</b>
	<b><math>\Omega</math> profile protector</b> PVC Plasticized	<b>66903</b>	
	<b>Horizontal support</b>	See table below for horizontal supports.	
	<b>Mounting pin</b> SST AISI 304	<b>66812 (1)</b>	

(1) For horizontal supports in **U23X** use part no. 66812. For metallic supports use part no. 66822.

60x300

60x400

100x200

100x300

100x400

100x500

100x600

<b>66300</b>	<b>66400</b>	<b>66220</b>	<b>66320</b>	<b>66420</b>	<b>66520</b>	<b>66620</b>
<b>66301</b>	<b>66401</b>	<b>66221</b>	<b>66321</b>	<b>66421</b>	<b>66521</b>	<b>66621</b>
<b>66303</b>	<b>66403 (1)</b>	<b>66203</b>	<b>66323</b>	<b>66403 (1)</b>	<b>66503 (1)</b>	<b>66603 (1)</b>
	<b>66423</b>			<b>66423</b>	<b>66523</b>	<b>66623</b>
	<b>66424</b>			<b>66424</b>	<b>66524</b>	<b>66624</b>
<b>66809</b>	<b>66839 (2)</b>					

See next page

### Useful cross-sections (mm<sup>2</sup>)

Sizes (mm)		60x75	60x100	60x150	60x200	60x300	60x400	100x200	100x300	100x400	100x500	100x600
<span style="border: 1px solid black; border-radius: 10px; padding: 2px;">Grey</span> RAL 7035												
<b>Part numbers Perforated cable tray</b>		<b>66090</b>	<b>66100</b>	<b>66150</b>	<b>66200</b>	<b>66300</b>	<b>66400</b>	<b>66220</b>	<b>66320</b>	<b>66420</b>	<b>66520</b>	<b>66620</b>
<b>Part numbers Non perforated cable tray</b>		<b>66091</b>	<b>66101</b>	<b>66151</b>	<b>66201</b>	<b>66301</b>	<b>66401</b>	<b>66221</b>	<b>66321</b>	<b>66421</b>	<b>66521</b>	<b>66621</b>
		2910	4349	7132	9900	15301	20789	16077	25231	34506	44064	53492
Divider	Section occupied		344	344	344	344	344	534	534	534	534	534
	Max. no. of compartments	1	2	3	5	7	11	4	7	11	15	17
Reinforced divider	Section occupied			343	343	343	343	673	673	673	673	673
	Max. no. of compartments	1	1	2	2	3	5	2	3	5	5	5

### Load test conditions TEST TYPE I acc./IEC 61537\*

		<span style="background-color: red; color: white; padding: 2px;">U23X</span>										
<b>Temperature</b>		40°C					60°C					
<b>Distance between supports (L)</b>		1.5 m					1 m					
<b>Longitudinal deflection</b>		Lower than 1% of the distance between supports										
<b>Transverse deflection</b>		Lower than 5% of the tray's width										

### Safe working load (SWL) in (kg/m) or (N) acc./IEC 61537\*

Sizes (mm)		60x75	60x100	60x150	60x200	60x300	60x400	100x200	100x300	100x400	100x500	100x600
<b>Safe working load (Kg/m) SWL</b>		<b>7.9</b>	<b>10.8</b>	<b>16.6</b>	<b>22.5</b>	<b>33.7</b>	<b>45.6</b>	<b>37.6</b>	<b>57.3</b>	<b>77.2</b>	<b>96.6</b>	<b>116.5</b>
<b>Safe working load (N) SWL</b>		<b>78</b>	<b>105</b>	<b>162</b>	<b>220</b>	<b>330</b>	<b>446</b>	<b>369</b>	<b>561</b>	<b>756</b>	<b>946</b>	<b>1141</b>

For Cable trays of width  $\geq 300$  mm the use of a base union is necessary to comply with the requirements of full load transverse deflection defined by international Cable trays Standard IEC 61537.

\*BS EN 61537 is the UK implementation of EN 61537 and IEC 61537.



## Supports. Safe working load (SWL) (kg) or (N) acc./IEC 61537\*

U23X

Temperature	40°C	60°C
Admissible deflection	Lower than 5% of the length of the support	
Overload without collapsing (deformation is admitted)	1.7 times the safe working load declared	
<b>Part no.</b>	<b>Insulating horizontal support</b>	
<b>66103</b>	35kg (343 N)	25kg (245 N)
<b>66153</b>	45kg (441 N)	30kg (294 N)
<b>66203</b>	60kg (588 N)	40kg (392 N)
<b>66303</b>	60kg (588 N)	40kg (392 N)
<b>66403</b>	116kg (1134 N)	77kg (756 N)
<b>66323</b>	95kg (930 N)	65kg (637 N)
<b>66503</b>	145kg (1421 N)	96.6kg (947 N)
<b>66603</b>	175kg (1712 N)	116.5kg (1141 N)
<b>Part no.</b>	<b>Insulating vertical support</b>	
<b>66075</b>	12kg (117 N)	7.9kg (78 N)
<b>66155</b>	25kg (243 N)	16.6kg (162 N)
<b>66205</b>	56kg (554 N)	37.6kg (369 N)
<b>66305</b>	86kg (842 N)	57.3kg (561 N)
<b>66405</b>	116kg (1134 N)	77kg (756 N)
<b>66605</b>	175kg (1712 N)	116.5kg (1141 N)

**In Steel sendzimir, galvanized steel with grey epoxy coating or Steel AISI 304 with epoxy coating**

Temperature	40°C and 60°C			
Admissible deflection	Lower than 5% of the length of the support			
Overload without collapsing (Deformation is admitted)	1.7 times the safe working load declared			
	<b>Steel sendzimir</b>	<b>Steel epoxy</b>	<b>Steel AISI 304</b>	<b>Metallic horizontal support</b>
<b>Part no.</b>		<b>66424</b>	<b>66423</b>	116kg (1137 N)
		<b>66524</b>	<b>66523</b>	145kg (1421 N)
		<b>66624</b>	<b>66623</b>	175kg (1715 N)
	<b>Steel sendzimir</b>	<b>Steel epoxy</b>	<b>Steel AISI 304</b>	<b>Metallic L support</b>
<b>Part no.</b>	<b>66107</b>	<b>66106</b>		90kg (882 N)
	<b>66207</b>	<b>66206</b>		55kg (540 N)
	<b>66307</b>	<b>66306</b>		51kg (500 N)

\*BS EN 61537 is the UK implementation of EN 61537 and IEC 61537.



# Unex online: Tools for specification

[www.unex.net](http://www.unex.net)

## Technical information

- Technical specifications
- Mounting instructions
- Different database formats



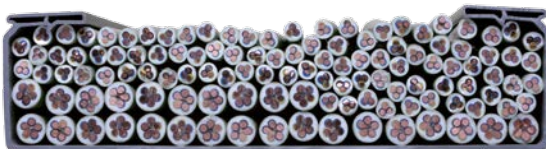
## Configurator

- Unex cable tray's configurator allows you to obtain a complete list of materials



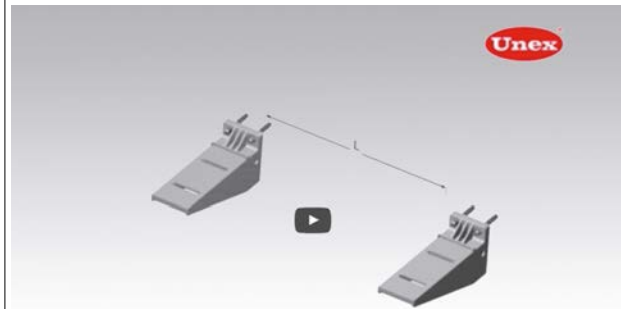
## Unexproject

- Your tool for dimensioning the cable tray according to the cables you are using in your project



## YouTube Unex Solutions

- Mounting videos



## EPLAN

Unex products are available in the EPLAN Data Portal, classified as "Electrical engineering" and "Mechanics".



## Databases

As a customer-oriented company, we provide our data in different formats: BIM-REVIT and 3D-DWG.





Cable conduction  
and protection  
system

# Trunking

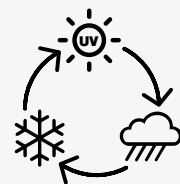
# 73

raw material

**U23X**

colour

**Grey**



## For distribution and machinery supply

- **Suitable for outdoor use.**
- Complete range with all necessary fittings offering more rigidity and safety throughout the mounting process.
- Homogeneity with the rest of the installation's elements.
- For conduction and protection of power and communication cables.


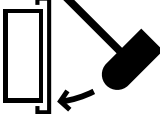
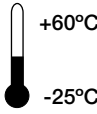
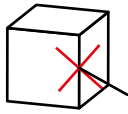



## Raw material

**U23X** Trunking

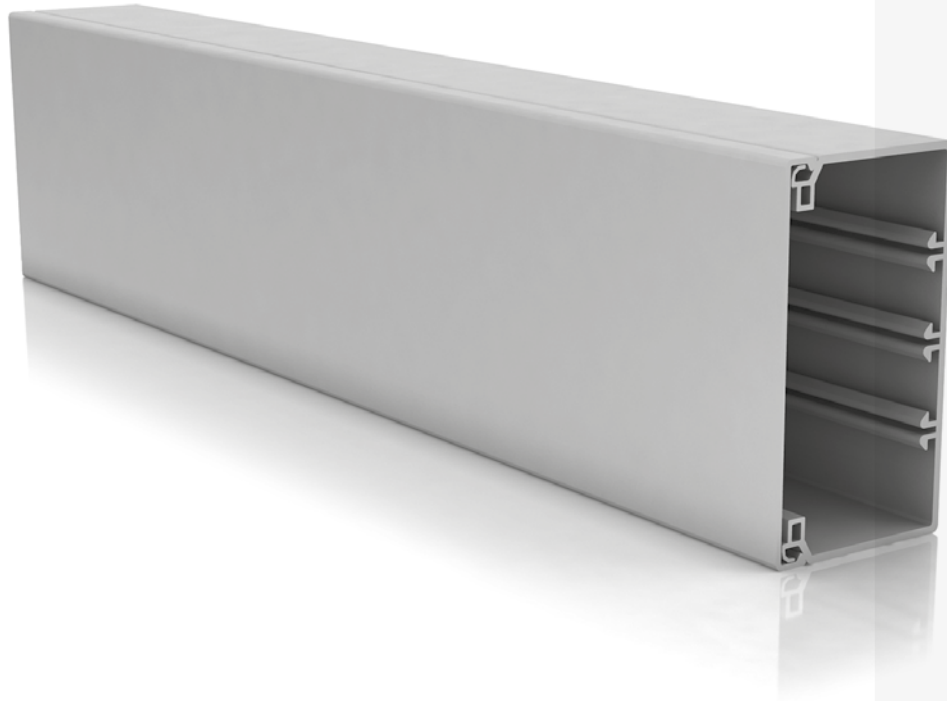
**U24X** Fittings

Compliant 

## Technical characteristics

<p><b>Electrical</b></p>  <p><b>EN 50085-2-1*</b></p> <p>Insulating material. No earthing required.</p>	<p><b>Mechanical</b></p>  <p><b>EN 50085-2-1*</b></p> <p>IK08 (except mini trunkings height &lt; 30 mm: IK07).</p>	<p><b>Service temperature</b></p>  <p><b>EN 50085-2-1*</b></p> <p>Mini trunkings height &lt; 30 mm: -5°+60°C.</p>	<p><b>Protection degree</b></p>  <p><b>EN 50085-2-1*</b></p> <p>IP4X, mounted on the wall.</p>	<p><b>Corrosion</b></p>  <p><b>ISO/TR 10358 DIN 8061</b></p> <p>Good resistance to corrosion and to chemical agents.</p>
<p><b>Outdoors</b></p>  <p>Good performance outdoors and with exposure to UV rays. (Except trunkings height &lt; 30 mm).</p>	<p><b>In front of fire</b></p>  <p>Glow-wire test 960°C. Non flame propagating. Reaction to fire, Class M1 acc./UNE 201010. Flammability degree UL94: V0. Does not spread fire by dripping.</p>			

\* BS EN 50085-2-1 is the UK implementation of EN 50085-2-1.



Length

**2 and 3 m**

Colour

**Grey****RAL 7035**

## Quality marks



## Approvals



Bureau Veritas

Φ3 от 22.07.08 N 123-Φ3  
ГОСТ P 53313-2009

Iberdrola NI 52.40.02

See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)

## Conformity declaration





Photovoltaics



Chemical industry

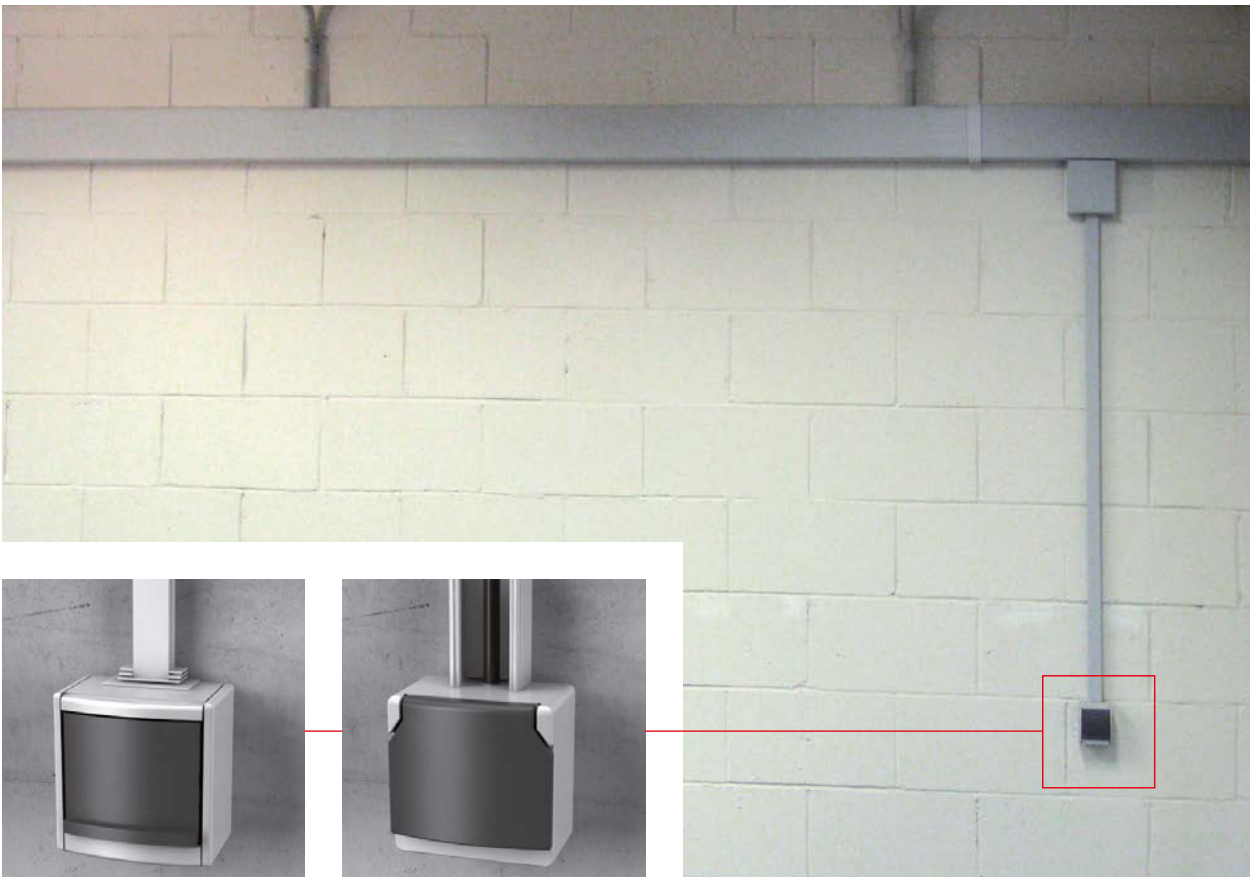




Housing

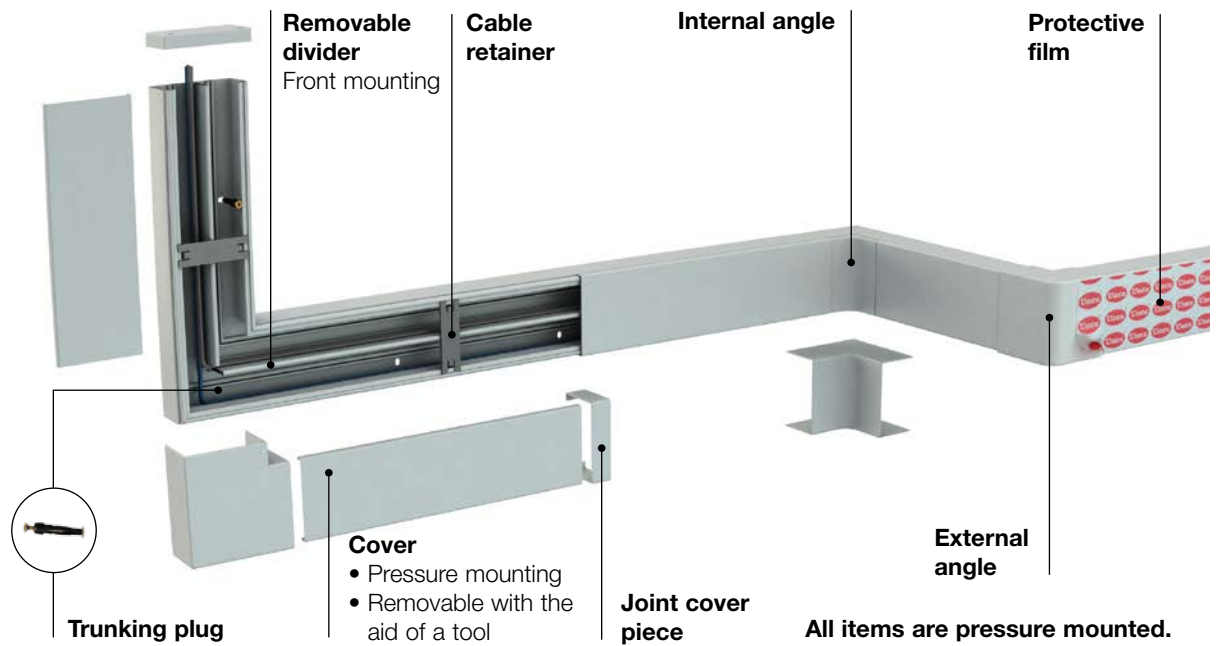


Apartment building renovation



Industry: mounting of outlets

## Easy installation



### Fittings in 2 pieces



- **The internal piece** allows easy measuring of the cover and holds the cables.
- **The external piece** covers the cut marks of base and cover. It is not necessary to slide the cover. Assures protection degree IP4X.

### Protection of data cables

Firm holding of the cover:  
removable with the aid of a tool

#### Corner-pieces



Allows you to keep the right bending radius: reliability of the signal transmitted.

#### Cable retainer



Retains the cables. Ensures the fixing of the cover in the most demanding cases: impact resistance vertical posts, inverted mountings, etc.

# The trunking as continuous connection box

Surface mounting using a 750V conductor



## Possibility to mount with terminal blocks

Surface mounting

With trunkings 60x60 or bigger, it is possible to make connections with terminal blocks, without the need to place an enclosure.





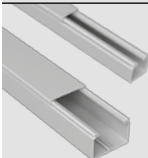


## Circuit separation


Possibility to mount insulating dividers in trunkings of 40x60 or bigger. Conductors are insulated according to their voltage in a compartment that assures the level of insulation required for the maximum voltage on the installation.

**Insulating trunking + Insulating divider**  
Guarantees the level of insulation required.










		Trunking sizes (mm)	16x16	20x30	30x40	40x40
<div style="border: 1px solid black; border-radius: 10px; padding: 2px; display: inline-block;">Grey</div> RAL 7035 (Part no. 73xxx-04 and 78xxx-04)						
Maximum number of compartments			1	1	1	1
	<b>Mini trunking</b> L = 2 m <hr/> <b>Trunking</b> Note: 1 cable retainer every 0,5 m is included.      L = 3 m	<b>78031-04</b>	<b>78043-04</b>			
				<b>73010-04</b>	<b>73020-04</b>	



### Accessories in U23X

	<b>Divider</b> L = 3 m				
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### Fittings in U24X

	<b>Flat angle</b>	<b>78231-04</b>	<b>78243-04</b>	<b>73210-04</b>	<b>73220-04</b>
	<b>External angle</b>	<b>78281-04</b>	<b>78293-04</b>	<b>73260-04</b>	<b>73270-04</b>
	<b>Internal angle</b>	<b>78331-04</b>	<b>78343-04</b>	<b>73310-04</b>	<b>73320-04</b>
	<b>End cover</b>	<b>78381-04</b>	<b>78393-04</b>	<b>73360-04</b>	<b>73370-04</b>
	<b>Joint cover piece</b>	<b>78531-04</b>	<b>78543-04</b>	<b>73510-04</b>	<b>73520-04</b>
	<b>Connection and branch box</b> 110x110x45 mm	<b>78457-04</b>			
	110x150x74 mm	<b>73461-04</b>			

### Cable protection elements in U24X

	<b>Corner-piece flat angle</b>			<b>73880</b>
	<b>Corner-piece external angle</b>			

### Other accessories in U24X

	<b>Cable retainer</b> Note: 1 cable retainer every 0,5 m is included.			
				<b>73850</b>
	<b>Junction</b>			

### Fixing elements in U63X

	<b>Trunking plug</b> Indoor use	<b>25104</b>	<b>25106</b>
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(1) The part numbers 73071-04, 73081-04, 73083-04, 73085-04 include 2 junctions for each trunking length.

40x60

60x60

60x90

60x110

60x150

60x190

60x230



2	1	2	4	4	6	6
<b>73071-04 (1)</b>	<b>73081-04</b>	<b>73082-04 (1)</b>	<b>73083-04 (1)</b>	<b>73085-04 (1)</b>	<b>73086-04</b>	<b>73088-04</b>

<b>73820</b>		<b>73830</b>
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<b>73221-04</b>	<b>73231-04</b>	<b>73232-04</b>	<b>73233-04</b>	<b>73235-04</b>	<b>73236-04</b>	<b>73238-04</b>
<b>73271-04</b>	<b>73281-04</b>	<b>73282-04</b>	<b>73283-04</b>	<b>73285-04</b>	<b>73286-04</b>	<b>73288-04</b>
<b>73321-04</b>	<b>73331-04</b>	<b>73332-04</b>	<b>73333-04</b>	<b>73335-04</b>	<b>73336-04</b>	<b>73338-04</b>
<b>73371-04</b>	<b>73381-04</b>	<b>73382-04</b>	<b>73383-04</b>	<b>73385-04</b>	<b>73386-04</b>	<b>73388-04</b>
<b>73521-04</b>	<b>73531-04</b>	<b>73532-04</b>	<b>73533-04</b>	<b>73535-04</b>	<b>73536-04</b>	<b>73538-04</b>
<b>73461-04</b>						

<b>73880</b>		
<b>93870</b>		<b>93870</b>

<b>73861-00</b>		<b>73862-00</b>	<b>73863-00</b>	<b>73865-00</b>		
	<b>70064</b>				<b>73856</b>	<b>73858</b>
<b>73571-00</b>		<b>73581-00</b>				

<b>25106</b>		
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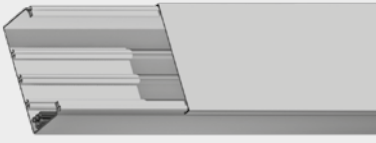





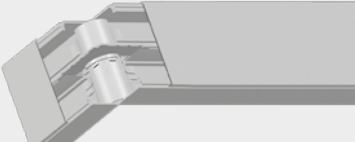
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Useful cross-sections (mm<sup>2</sup>)

		Sizes (mm)			
		16x16	20x30	30x40	40x40
<b>Part no.</b>	Grey RAL 7035	<b>78031-04</b>	<b>78043-04</b>	<b>73010-04</b>	<b>73020-04</b>

**Distribution**

<b>Without divider</b>		 150	 437	 670	 1020
<b>With divider</b>					
<b>With divider and corner-piece</b>					

40x60

60x60

60x90

60x110

60x150

60x190

60x230

**73071-04**

**73081-04**

**73082-04**

**73083-04**

**73085-04**

**73086-04**

**73088-04**



1530



2713



3930



4780



6540



8205



9930



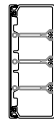
705  
705



1840  
1840



1160  
855  
855  
1160



1595  
1305  
1305  
1595



1345  
1070  
1070  
1070  
1070  
1345



1790  
1285  
1285  
1285  
1285  
1790



425  
425



1415  
1415



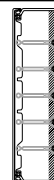
900  
695  
695  
900



1230  
1025  
1025  
1230



1040  
850  
850  
850  
850  
1040



1380  
1020  
1020  
1020  
1020  
1380





Cable conduction  
system with  
possibility of mounting  
switches and sockets

# Trunking

# 73

raw material

**U23X**

colour

White



For distribution, with possibility to mount switches and sockets

- **Suitable for cable distribution in outdoor applications.**
- Due to the trunking's 3 meters length, the installation is easier and faster.
- External lid with possibility to make additional compartments by means of a divider.
- Can be painted.

## Raw material




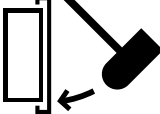

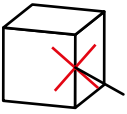



Trunking

Fittings, accessories and switches and sockets adapters

Compliant



## Technical characteristics

<p><b>Electrical</b></p>  <p><b>EN 50085-2-1*</b></p> <p>Insulating material. No earthing required.</p>	<p><b>Mechanical</b></p>  <p><b>EN 50085-2-1*</b></p> <p>IK08.</p>	<p><b>Service temperature</b></p>  <p>+60°C -25°C</p> <p><b>EN 50085-2-1*</b></p>	<p><b>Protection degree</b></p>  <p><b>EN 50085-2-1*</b></p> <p>IP4X, mounted on the wall.</p>	<p><b>Corrosion</b></p>  <p><b>ISO/TR 10358 DIN 8061</b></p> <p>Good resistance to corrosion and to chemical agents.</p>
<p><b>Outdoors</b></p>  <p>Good performance outdoors and with exposure to UV rays.</p>	<p><b>In front of fire</b></p>  <p>Glow-wire test 960°C. Non flame propagating. Reaction to fire, Class M1 acc./UNE 201010. Flammability degree UL94: V0. Does not spread fire by dripping.</p>			

\* BS EN 50085-2-1 is the UK implementation of EN 50085-2-1.





Length

**3 m**

Colour

**White**

**RAL 9010**

Quality marks



Approvals



Bureau Veritas



Ф3 от 22.07.08 N 123-Ф3  
ГОСТ Р 53313-2009



Iberdrola NI 52.40.02

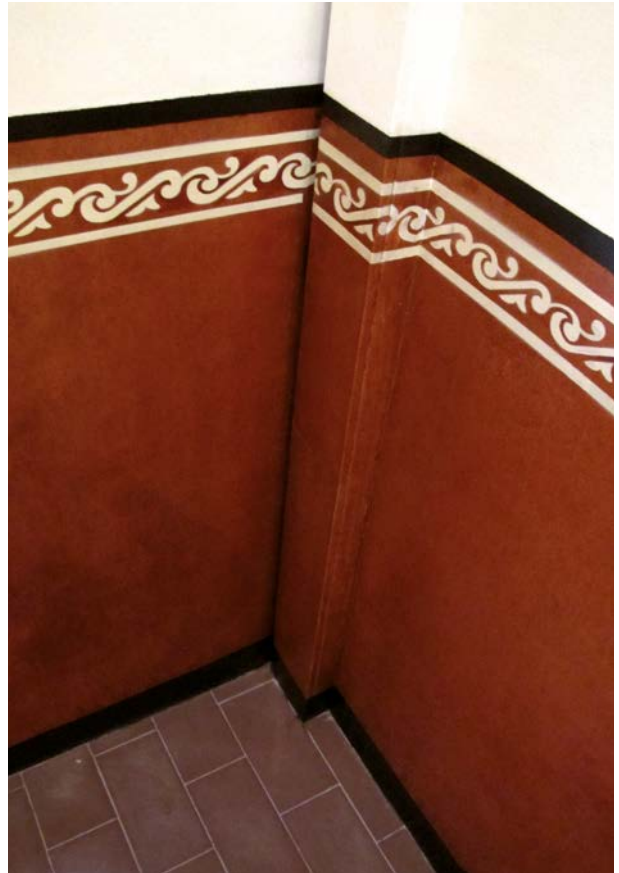
See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)

Conformity declaration





Work spaces: office



Apartment building renovation



Housing: distribution per facade



Infrastructure: parking



Facade



Food industry

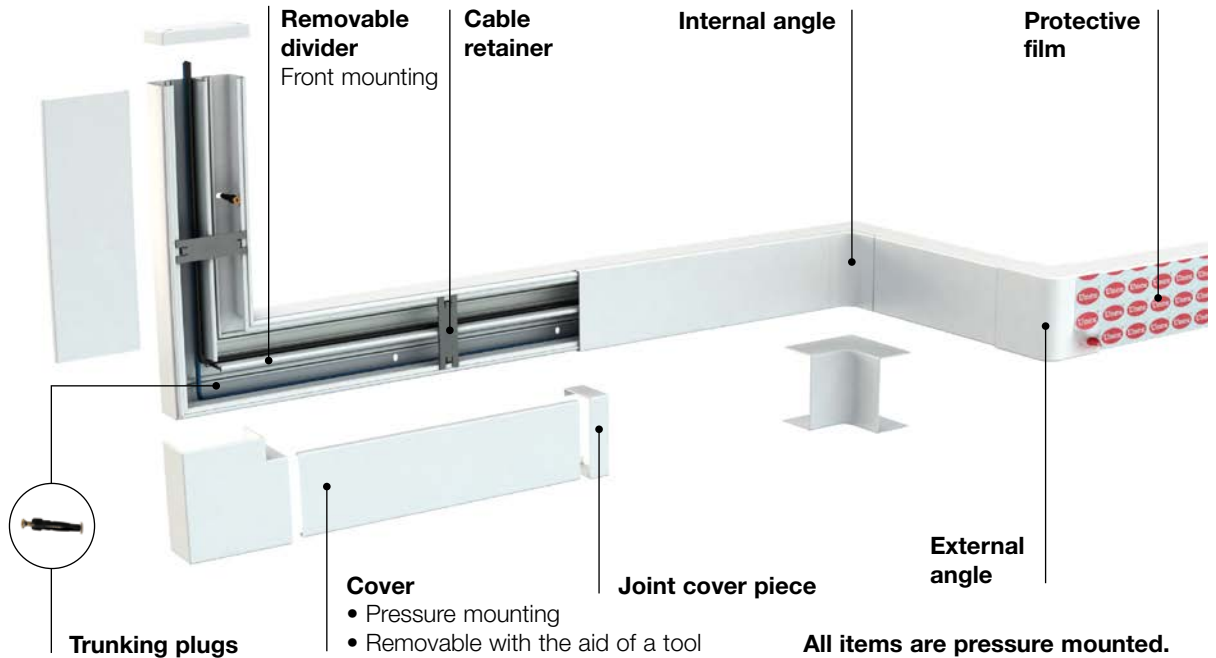


Work spaces: office



# Easy installation

## Trunking and fittings



## Fittings in 2 pieces



- **The internal piece** allows easy measuring of the cover and holds the cables.
- **The external piece** covers the cut marks of base and cover. It is not necessary to slide the cover. Assures protection degree IP4X.

## Protection of data cables

### Flat angle



Allows you to keep the right bending radius.

## Firm holding of the cover: removable with the aid of a tool

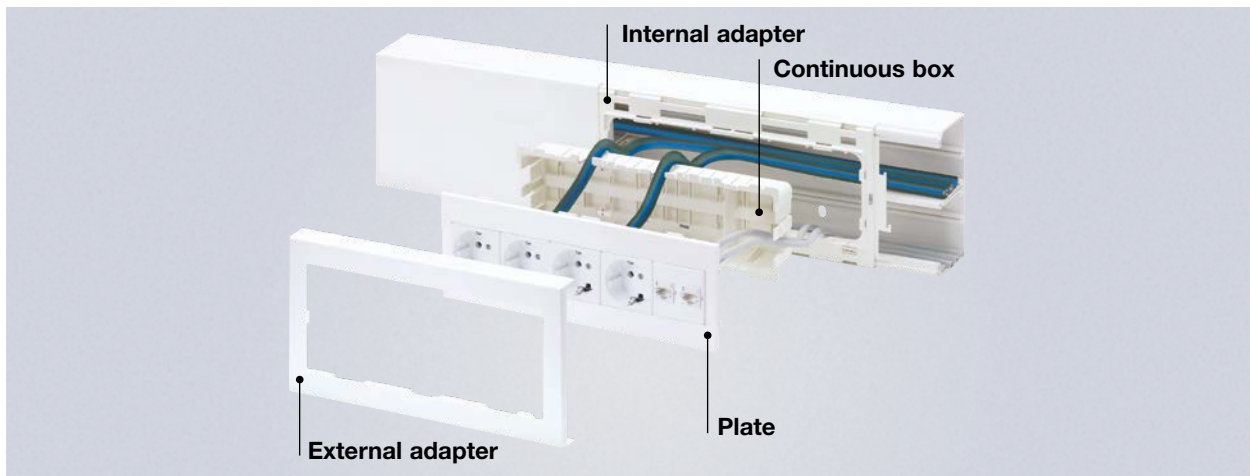
### Cable retainer



Retains the cables. Ensures the fixing of the cover in the most demanding cases: impact resistance vertical posts, inverted mountings, etc.

# Mounting of switches and sockets

Safe and easy installation of switches and sockets



Flexibility to combine a variety of switches and sockets



#### Universal CEE-7

- Niessen\* Olas, Arco, Tacto, Zenit.
- BJC\*.
- Jung\*.
- Simon\* 31, 75, 88, 82.
- Mosaic\*, Decor\*.
- Valena\*.
- Bticino\*.
- Eunea\*.
- Berker\*.
- Gewiss\*.



#### Modular

- Simon\* 27.
- Mosaic\*.
- Simon Connect\* K45. (and compatible Mosaic\*).



#### Universal

- Bticino\*.
- Unica-Allegro\* (3 modules).
- Gewiss\*.
- Niessen\*.



#### Din (bipolar)

- MCB's (Miniature circuit breakers).
- RCD's (Residual current devices).

\*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.



# Modular box 85

Three box sizes: 4, 6 or 8 outlets



4 outlets



6 outlets



8 outlets

## Side mounting



**For Trunkings 93 and 73.**

Only with trunkings of height equal or higher than 40 mm.

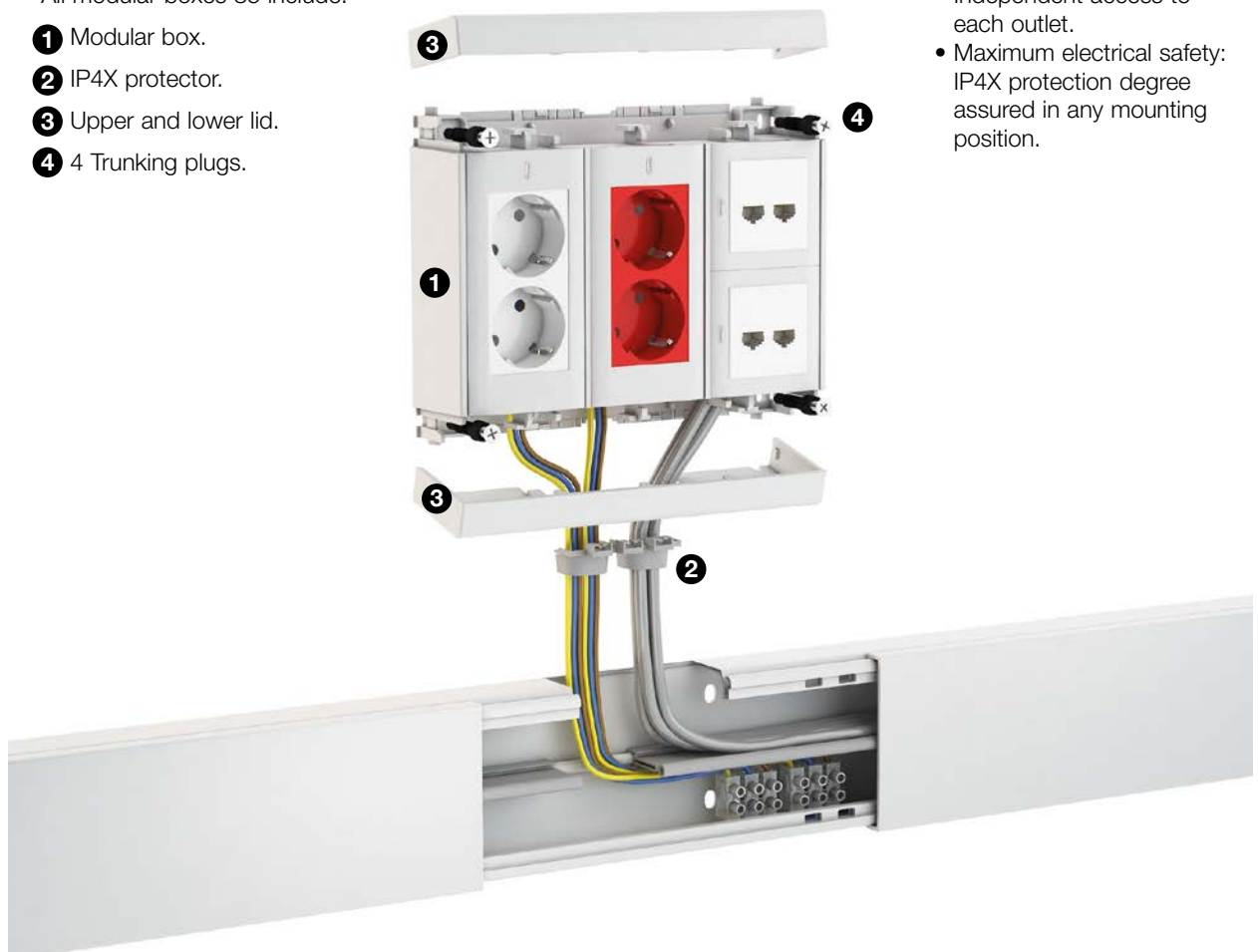
## Easy mounting

**Note:**

“All modular boxes 85 include:”

- ❶ Modular box.
- ❷ IP4X protector.
- ❸ Upper and lower lid.
- ❹ 4 Trunking plugs.

- Pre-wiring possibility.
- Independent access to each outlet.
- Maximum electrical safety: IP4X protection degree assured in any mounting position.



## Flexibility to combine a variety of switches and sockets for Modular boxes 85

- Customization according to the necessity of each user.
- Possibility to adapt and combine a large range of modular outlet on the market.

### Electrical outlets

#### Modular



- Niessen Zenit\*.
- BJC\* Sol.
- Simon\* 27.
- Simon Connect\* K45 and compatible.
- Mosaic\*.
- Eunea Unica\*.

#### Modular double



- Simon Connect\* K45 "linkable".
- Mosaic\*.
- Eunea Unica\*.

#### DIN (Bipolars)



- MCB's (Miniature circuit breakers).
- RCD's (Residual current devices).

### Data connectors

#### Flat plate 1 RJ45



- Compatible with:
- Systemax solutions.
  - Universal type Keystone.

#### Flat plate 2 RJ45



- Compatible with:
- Systemax solutions.
  - Universal type Keystone.

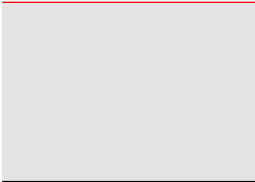




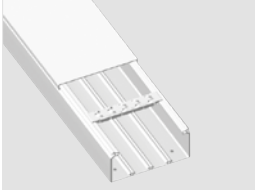
#### Angled plate 2 RJ45



- Compatible with:
- Universal type Keystone.

**Reduced stock of fittings:** Same system for mounting switches and sockets for: Trunking 93, Modular box 85, Service Pole 50, Service Post 50 and Furniture supply 51.








\*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

		Trunking sizes (mm)			
		30x40	30x60	40x40	40x60
	<p style="text-align: center;">White</p> <p style="text-align: center;"><b>RAL 9010</b> (Part no. 73xxx-2)</p>				
Maximum number of compartments		1	2	1	2
	<p><b>Trunking</b> 3 m Note: 1 cable retainer every 0,5 m is included.</p>	<b>73010-2</b>	<b>73061-2</b>	<b>73020-2</b>	<b>73071-2 (1)</b>






### Accessories in U23X

	<p><b>Divider</b> 3 m</p>		<b>73810</b>		<b>73820</b>
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### Fittings in U24X

	<b>Flat angle</b>	<b>73210-2</b>	<b>73211-2</b>	<b>73220-2</b>	<b>73221-2</b>
	<b>External angle</b>	<b>73260-2</b>	<b>73261-2</b>	<b>73270-2</b>	<b>73271-2</b>
	<b>Outer variable angle</b>	<b>73309-2</b>			
	<b>Internal angle</b>	<b>73310-2</b>	<b>73311-2</b>	<b>73320-2</b>	<b>73321-2</b>
	<b>Inner variable angle</b>	<b>73359-2</b>			
	<b>End cover</b>	<b>73360-2</b>	<b>73361-2</b>	<b>73370-2</b>	<b>73371-2</b>
	<b>Joint cover piece</b>	<b>73510-2</b>	<b>73511-2</b>	<b>73520-2</b>	<b>73521-2</b>

### Connection and branch box in U24X

	<p><b>Connection and branch box</b> 110x150x74 mm</p>	<b>73461-2</b>			
	<p>145x145x90 mm</p>	<b>73471-2</b>			
	<p><b>Connection and branch box</b> 220x220x112 mm</p>				
	<p>300x300x112 mm</p>			<b>73420-2</b>	<b>73421-2</b>
	<p><b>Straight derivation</b> Branching to a trunking of equal height.</p>				

(1) Part numbers 73071-2, 73072-2, 73073-2, 73082-2, 73083-2, 73085-2 include 2 junctions for each trunking length.

40x90      40x110      60x90      60x110      60x130      60x150      60x190      60x230

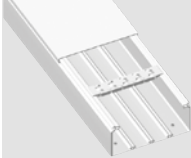




2	4	2	4	4	4	6	6
<b>73072-2 (1)</b>	<b>73073-2 (1)</b>	<b>73082-2 (1)</b>	<b>73083-2 (1)</b>	<b>73084-2</b>	<b>73085-2 (1)</b>	<b>73086-2</b>	<b>73088-2</b>



<b>73820</b>	<b>73830</b>
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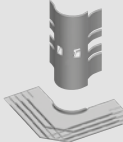
<b>73222-2</b>	<b>73223-2</b>	<b>73232-2</b>	<b>73233-2</b>	<b>73234-2</b>	<b>73235-2</b>	<b>73236-2</b>	<b>73238-2</b>
<b>73272-2</b>	<b>73273-2</b>	<b>73282-2</b>	<b>73283-2</b>	<b>73284-2</b>	<b>73285-2</b>	<b>73286-2</b>	<b>73288-2</b>
<b>73309-2</b>							
<b>73322-2</b>	<b>73323-2</b>	<b>73332-2</b>	<b>73333-2</b>	<b>73334-2</b>	<b>73335-2</b>	<b>73336-2</b>	<b>73338-2</b>
<b>73359-2</b>							
<b>73372-2</b>	<b>73373-2</b>	<b>73382-2</b>	<b>73383-2</b>	<b>73384-2</b>	<b>73385-2</b>	<b>73386-2</b>	<b>73388-2</b>
<b>73522-2</b>	<b>73523-2</b>	<b>73532-2</b>	<b>73533-2</b>	<b>73534-2</b>	<b>73535-2</b>	<b>73536-2</b>	<b>73538-2</b>

<b>73461-2</b>							
							<b>73485-2</b>
						<b>73488-2</b>	
<b>73422-2</b>	<b>73423-2</b>	<b>73432-2</b>	<b>73433-2</b>		<b>73435-2</b>		




		Trunking sizes (mm)			
		30x40	30x60	40x40	40x60
	<p>White</p> <p>RAL 9010</p> <p>(Part no. 73xxx-2)</p>				
Maximum number of compartments		1	2	1	2
<p><b>Trunking</b></p> <p>3 m</p> <p>Note: 1 cable retainer every 0,5 m is included.</p>		<b>73010-2</b>	<b>73061-2</b>	<b>73020-2</b>	<b>73071-2 (1)</b>

(1) 2 junctions are included for each trunking length.

### Cable protection elements in **U24X**

	<b>Corner-piece flat angle</b>	<b>73880</b>			
	<b>Corner-piece external angle</b>		<b>93870</b>		<b>93870</b>




### Other accessories in **U24X**

	<p><b>Cable retainer</b></p> <p>Note: 1 cable retainer every 0,5 m is included.</p>				<b>73861-00</b>
		<b>73850</b>	<b>73851</b>	<b>73850</b>	
	<b>Junction</b>				<b>73571-00</b>

### Fixing elements in **U63X**

	<p><b>Trunking plug</b></p> <p>Note: Use drill bit Ø6 mm. Indoor use.</p>	<b>25106</b>			
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### Side mounting of switches and sockets with Modular boxes 85 in **U24X** (2) (3)

	<b>Modular box for 4 outlets</b>		<b>85023-2</b>
	<b>Modular box for 6 outlets</b>		<b>85033-2</b>
	<b>Modular box for 8 outlets</b>		<b>85043-2</b>

(2) See mounting of switches and sockets on page 78.

(3) 4 trunking plugs (part no. 25106) are included in each Modular box 85.



40x90      40x110      60x90      60x110      60x130      60x150      60x190      60x230

2	4	2	4	4	4	6	6
<b>73072-2 (1)</b>	<b>73073-2 (1)</b>	<b>73082-2 (1)</b>	<b>73083-2 (1)</b>	<b>73084-2</b>	<b>73085-2 (1)</b>	<b>73086-2</b>	<b>73088-2</b>



<b>73880</b>
<b>93870</b>










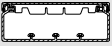





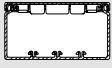




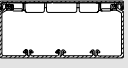



<b>73862-00</b>	<b>73863-00</b>	<b>73862-00</b>	<b>73863-00</b>		<b>73865-00</b>	
				<b>73854</b>		<b>73856</b> <b>73858</b>
<b>73571-00</b>		<b>73581-00</b>			<b>73581-00</b>	

<b>25106</b>
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<b>85023-2</b>
<b>85033-2</b>
<b>85043-2</b>

See next page

## Mounting of switches and sockets

		Border	+	Plate for mounting of universal switches and sockets			
			+	 60 mm Universal (CEE7)	 45x45 mm Mosaic*, Simon Connect* K45, and compatible (1)	 45x45 mm Simon* 27	 83,5 mm Universal
<b>73072-2</b>  40x90 mm		<b>73642-2</b>	+	 <b>73651-2</b>	 <b>73656-2</b>	 <b>73660-2</b>	
<b>73073-2</b>  40x110 mm		<b>73643-2</b>	+				
<b>73082-2</b>  60x90 mm		<b>73642-2</b>	+	 <b>73652-2</b>	 <b>73657-2</b>	 <b>73661-2</b>	 <b>73666-2</b>
<b>73083-2</b>  60x110 mm		<b>73643-2</b>	+	 <b>73653-2</b>	 <b>73658-2</b>	 <b>73662-2</b>	 <b>73667-2</b>
<b>73084-2</b>  60x130 mm		<b>73644-2</b>	+		 <b>73669-2</b>	 <b>73670-2</b>	
<b>73085-2</b>  60x150 mm		<b>73645-2</b>	+				

(1) Most of the switches and sockets of K type are compatible with this adapter. However, there are some part numbers (for example KB076, KB76, K103A, 2u. KA76, 2u. K302 + K115, etc.) that can only be mounted on the plate 73669-2 in the central area, placing blind lids on the sides.




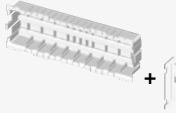


(2) Due to their sizes, DIN outlets can only be mounted on trunkings 60x130 or bigger, and without box. It is necessary to fix a DIN rail over the base of the trunking.

(3) To fix the Flexible runway 51 to the Trunking 73, it is necessary to use the plate part no. 73751-2 and a border corresponding to the size of the trunking.


\*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

**Mounting of universal switches and sockets**

**Socket boxes**

 DIN (2)	 Universal adapter for Flexible runway (3)	 1 CEE socket box	 Continuous socket box Note: Includes divider part n° 73713 Continuous box divider		
		73710	73712	73713	
 73659-2	 51630-2				
		73710	73712	73713	
















See next page 




Useful cross-sections (mm<sup>2</sup>)

Part no.	White RAL 9010	Sizes (mm)			
		30x40	30x60	40x40	40x60
		<b>73010-2</b>	<b>73061-2</b>	<b>73020-2</b>	<b>73071-2</b>

Distribution

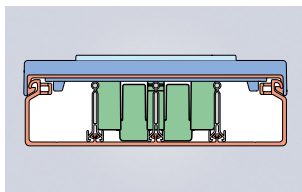
Without divider		 670	 980	 1020	 1530
With divider			 450  450		 705  705
With divider and corner-piece					 425  425

Adaptation of switches and sockets

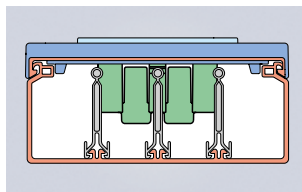
With border and plate, without box					
With border, plate and box					
DIN 12 modules with plate					

Useful space in Trunking 73 with switches and sockets

Switches and sockets with box

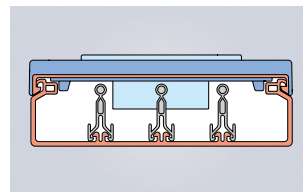


In trunkings height 40 mm.

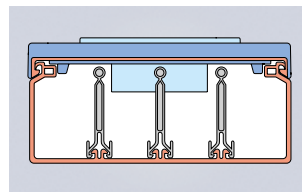


In trunkings height 60 mm.

Switches and sockets without box



In trunkings height 40 mm.



In trunkings height 60 mm.

40x90

40x110

60x90

60x110

60x130

60x150

60x190

60x230

**73072-2**

**73073-2**

**73082-2**

**73083-2**






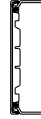
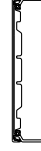

















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




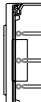






**73085-2**


**73086-2**

**73088-2**



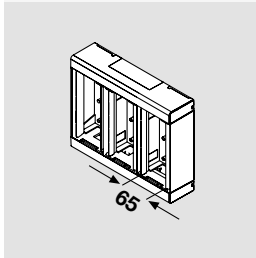
 2315	 2780	 3930	 4780	 5700	 6540	 8205	 9930
 1100 1100	 700 515 515 700	 1840 1840	 1160 855 855 1160	 1395 1085 1085 1395	 1595 1305 1305 1595	 1345 1070 1070 1070 1345	 1790 1285 1285 1285 1285 1790
 660 660	 420 310 310 420	 1415 1415	 900 695 695 900	 1080 865 865 1080	 1230 1025 1025 1040	 1040 850 850 850 850 1040	 1380 1020 1020 1020 1020 1380

 895 895	 700 330 330 700	 1610 1610	 1160 680 680 1160	 1395 860 860 1395	 1595 1090 1090 1595			
 565 565				 1015 345 345 1015	 1355 490 490 1355	 1595 615 615 1595		
				 910 910	 1300 1300			

See next page 



## Adapters for Modular boxes 85



4 outlets	6 outlets	8 outlets
<b>85023-2</b>	<b>85033-2</b>	<b>85043-2</b>



### Single plate RJ45

	Flat 1RJ45	<b>93749-2</b> (1)
	Flat 2RJ45	<b>93751-2</b> (1)
	Angled 2RJ45	<b>93753-2</b> (2)

### Single adapter

	Niessen Zenit*	<b>93635-2</b> (3)
	BJC* Sol	<b>93663-2</b>
	Simon* 27	<b>93621-2</b>
	Simon Connect* K45	<b>93608-2</b> (4)
	Mosaic* and compatible	<b>93608-2</b>
	Eunea Unica*	<b>93653-2</b>

### Double adapter + |

	Simon CIMA 500*	<b>93640-2</b>
	Simon Connect* K45	<b>93613-2</b> (4)
	Mosaic* and compatible	<b>93613-2</b>
	Eunea Unica*	<b>93656-2</b>

### Adapter DIN

		<b>93648-2</b>
--	--	----------------

(1) Compatible with RJ45 Systimax solutions and Universal (CEE) type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types of brands, please contact us.

(2) Compatible with Universal (CEE) type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types of brands, please contact us.

(3) The adapters for Niessen Zenit outlets are designed for horizontal mounting. In vertical mounting cases, outlets will rotate 90° from their original position.

(4) Most of the switches and sockets of K type are compatible with this adapter. However, there are some part numbers (for example KB076, KB76, K130A, 2u. KA76, 2u. K302 + K115, etc.) that can only be mounted on the double plate 93613-2 in the central area, placing blind lids on the sides.

\*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.



Wiring system

# Connection and branch boxes

# 40

raw material

**U24X**

colour

White

Grey



## For the connections and branches of the installations

- System of boxes compatible with the product ranges Trunkings 73 and Mini-trunkings 78.
- Independent access to the terminals, without manipulating or intervening in the installation.
- Homogeneous colours and lines throughout the whole installation. Safety for cables and people.

## Raw material



Connection and branch boxes



Compliant



## Technical characteristics

**Electrical**

**EN 50085-2-1\***

Insulating material.

---

No earthing required.

**Mechanical**

**EN 50085-2-1\***

IK07.

---

IK08 (110x150).

**Service temperature**

+60°C

-5°C

**EN 50085-2-1\***

**In front of fire**

**EN 50085-2-1\***

Glow-wire test 960°C.

---

Non flame propagating.

\* BS EN 50085-2-1 is the UK implementation of EN 50085-2-1.



Colour

White

**RAL 9010**

Grey

**RAL 7035**

## Quality marks



## Approvals



Φ3 от 22.07.08 N 123-Φ3  
ГОСТ P 53313-2009

## Conformity declaration



See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)

40

U24X  
White / Grey

Connection  
and branch boxes



Industrial building: power supply





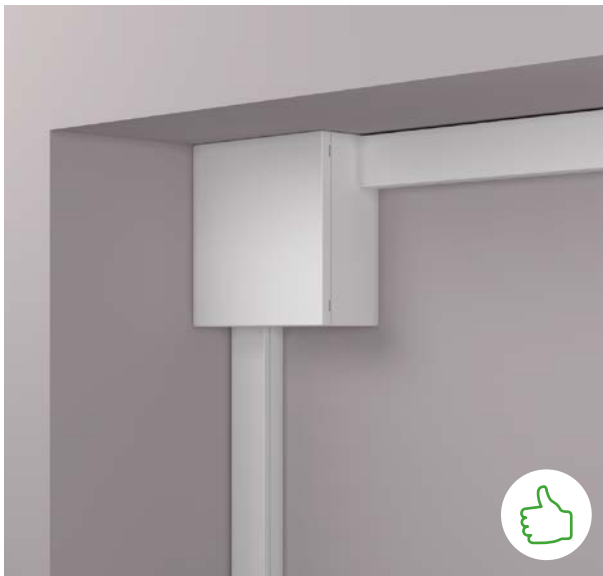
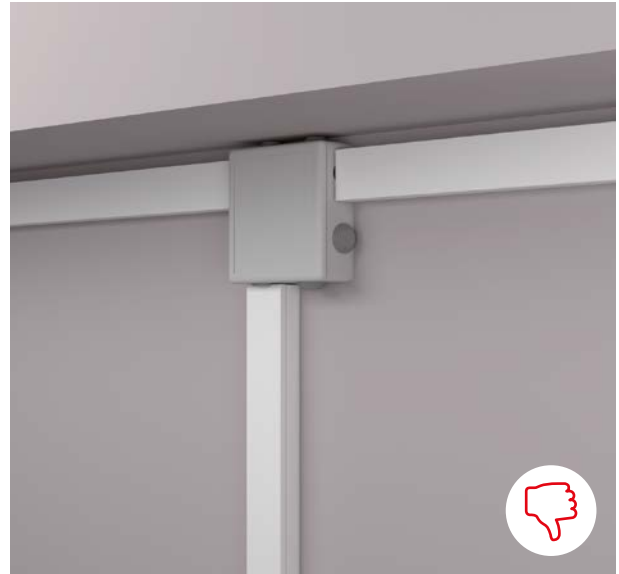
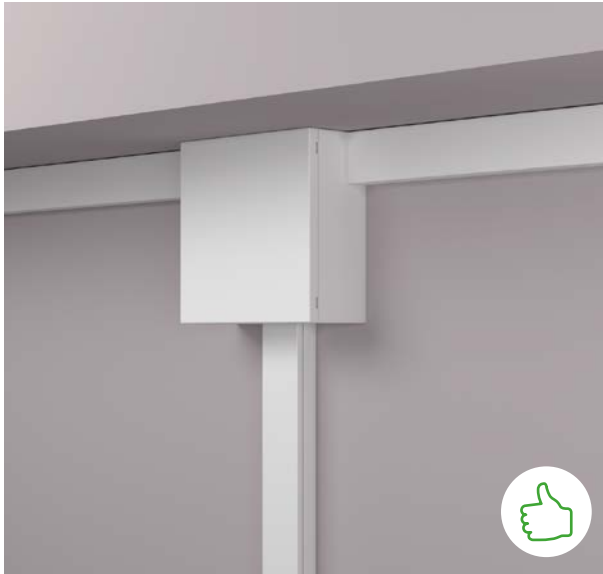
Hotel industry



Apartment building renovation

## Better finishings of the installation

The rectilinear shapes of the Unex connection and branch boxes allow a better integration of the mounting.









The design of Unex connection and branch boxes allows their mounting at any point in the installation, including the corners.



Homogeneous colour along the whole installation.

Size (mm)

Part numbers

	<p>White RAL 9010 (Part no. 7xxxx-2)</p> <p>Grey RAL 7035 (Part no. 7xxxx-04)</p>		
	<p><b>Connection and branch box</b></p>	<p>70x70x27</p>	<p><b>78455-2</b></p>
	<p><b>Connection and branch box</b></p>	<p>85x85x45</p>	<p><b>71451-2</b></p>
	<p><b>Connection and branch box</b></p>	<p>110x110x45</p>	<p><b>78457-2</b></p>
	<p><b>Connection and branch box</b></p>	<p>110x110x45</p>	<p><b>78457-04</b></p>
	<p><b>Connection and branch box</b></p>	<p>110x150x74</p>	<p><b>73461-2</b></p>
	<p><b>Connection and branch box</b></p>	<p>110x150x74</p>	<p><b>73461-04</b></p>







Power supply  
system for  
work spaces

# Trunking 93

raw material  
colour

**U23X**

White

## For perimeter power supply of work spaces

- **Free choice of switches and sockets.**
- Possibility to **attach or flush-mount** the trunking on walls and furniture.
- Fix compartments with independent covers.
- Internal lid.
- Possibility of double and triple covers, resulting in independent compartments (power, data, etc.).
- **Can be painted.**

## Raw material

U23X

Trunking

U24X

Fittings, accessories and switches and sockets adapters

Compliant



## Technical characteristics

Electrical	Mechanical	Temperature	Protection degree	In front of fire
<b>EN 50085-2-1*</b>	<b>EN 50085-2-1*</b>	<b>EN 50085-2-1*</b>	<b>EN 50085-2-1*</b>	
Insulating material. <hr/> No earthing required.	IK08 type 3 (distribution and mounting of switches and sockets). <hr/> 7 trunking sizes certified IK10 Type 1.		IP4X, mounted on the wall.	Glow-wire test 960°C. <hr/> Non flame propagating. <hr/> Reaction to fire, Class M1 acc./UNE 201010. <hr/> Flammability degree UL94: V0. Does not spread fire by dripping.

\* BS EN 50085-2-1 is the UK implementation of EN 50085-2-1.





Length

**2 m**

Colour

**White****RAL 9010**

## Quality marks



## Approvals



Bureau Veritas

Φ3 от 22.07.08 N 123-Φ3  
ГОСТ P 53313-2009See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)

## Conformity declaration





School



Health care



Health care



Work spaces: office



Work spaces: office



Work spaces: office



School

# Use

## Trunking as continuous box

---

Trunking allows to set the work spaces in any position to facilitate the extension and modification depending on the user's needs.



Integration of different types of installations in the same trunking.





## Large capacity for cables

11 sizes of Trunking 93 available with 1, 2 and 3 covers, meet all the needs of cable management and power supply of outlets through the wall.

### 1 cover trunking

- The removable divider is easy to mount and has a solid fixing to the base in order to separate power and data.
- In case of circuit separation, a socket box is required.



### 2 covers trunking

- Independent compartments with fixed divider.
- Independent access for the users to any type of installation.
- The spare section for the passing of cables increases, because it is not necessary to use switches and sockets boxes.



### 3 covers trunking

- Independent compartments with fixed divider.
- Central compartment for switches and sockets: facilitates the cabling path when there are many consecutive work spaces.
- Divider protective piece: allows you to keep the right bending radius in the passage across dividers.



## Mounting options

### On the wall or flush-mounted

Unex trunkings are designed for their mounting on the wall or flush-mounted on brick walls or plaster board, partitions, wooden linings, etc.



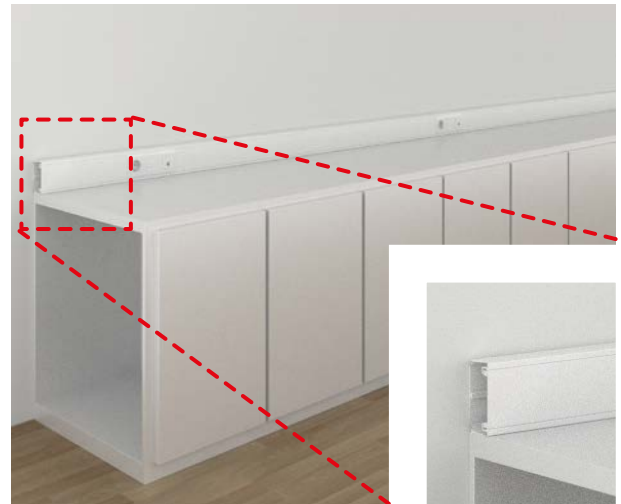
Skirting board



Windowsill



Embedded



Attached to the furniture

## Aesthetically integrated

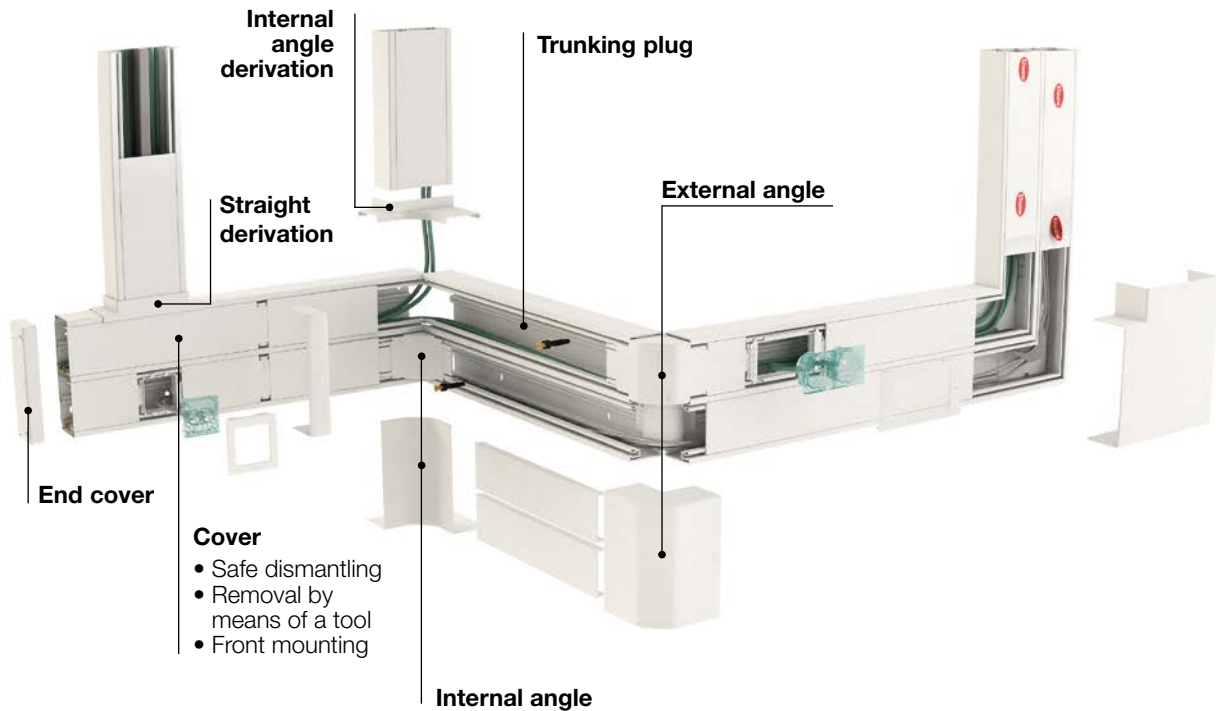
Unex trunkings can be painted to blend neatly into just any kind of environment.





# Safe and easy installation

## Trunking and fittings



YouTube Unex Solutions

## Protective film



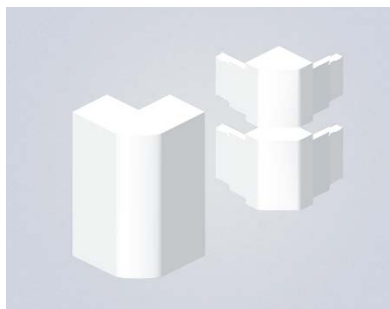
For all trunking part numbers.

## Fittings in 2 pieces

### Internal angle



### External angle



- The **internal piece** allows easy measuring of the cover and holds the cables.
- The **external piece** covers the cut marks of base and cover. It is not necessary to slide the cover. Assures protection degree IP4X.

# Mounting of switches and sockets

## Safe and easy installation

---

Double-piece adapters:

- **Internal piece:** for a solid fixing to the base and easy measuring of the cover.
- **External and embellishing pieces:** hide the cover cut marks.
- Protection against solid foreign objects IP4X.



## Flexibility to combine a variety of switches and sockets

---

Unex trunkings are designed to combine different types of installations: electrical, TV, audio-video, sound, data, security, control, etc.

Possibility of extension and evolution of the installations with no dependence on the type of outlet installed.



# Flexibility to combine a variety of switches and sockets

## Electrical outlets

### Universal CEE-7



- Niessen\* Olas, Arco, Tacto, Zenit and Stylo.
- BJC\*.
- Jung\*.
- Simon\* 31, 75, 88, 82.
- Mosaic\*.
- Valena\*.
- Bticino\*.
- Eunea\*.
- Berker\*.
- Gewiss\*.

### Industrial socket box



- Mennekes\*.
- ABL\*.
- Simon\*.

### Modular



- Niessen Zenit\*.
- Simon\* 27.
- Simon Connect\* K45 (and compatible).
- Mosaic\*.
- Eunea Unica\*.
- BJC Sol\*.

### Modular double



- Mosaic\*.
- Simon Connect\* K45 "linkable".
- Eunea Unica\*.
- Simon CIMA 500\*.

### Modular triple



- Simon Connect\* K45 "linkable".
- Mosaic\*.

### Universal



- Niessen\* Zenit.
- Bticino\*.
- Unica-Allegro\* (3 modules).
- Gewiss\*.

### DIN (Bipolar)



- MCB's (Miniature circuit breakers).
- RCD's (Residual current devices).

## Data connectors

### Flat plate 1 RJ45



- Compatible with:
- Systemax solutions.
  - Universal type Keystone.

### Flat plate 2 RJ45



- Compatible with:
- Systemax solutions.
  - Universal type Keystone.

### Angled plate 2 RJ45



- Compatible with:
- Universal type Keystone.

\* These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

# Safety

## Electrical safety

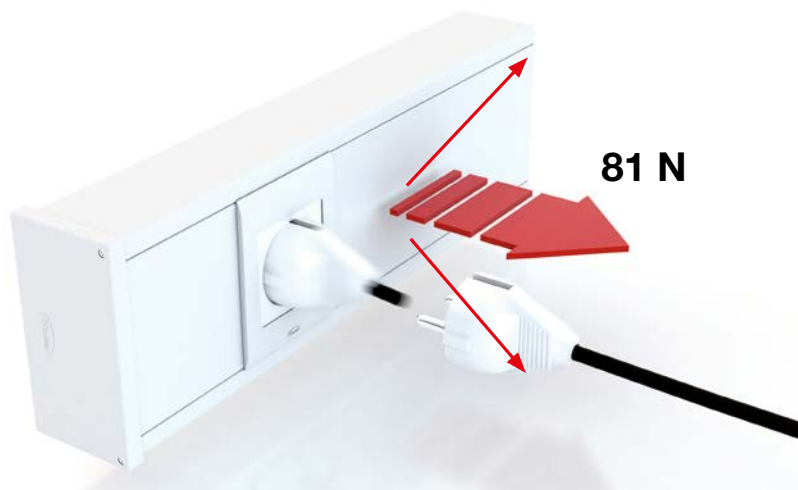
### Protection degree IP4X against solid foreign objects:

The system of adapters for Trunking 93 assures protection degree IP4X or IPXXD against solid foreign objects, acc./EN 50085-2-1.



### Resistance to wrenching:

The adapters for power outlets resist 81N, in compliance with EN 50085-1 and European regulations of power outlets.



### Mechanical safety:

To meet the most demanding impact requirements, NF has certified 7 sizes of Trunking 93 as IK10 Type 1 and 4 sizes as IK09 Type 1:

Part number*	Type I	Size
93020-2	IK10	50x80
93021-2	IK10	50x100
93022-2	IK10	50x130
93031-2	IK10	70x100
93032-2	IK10	70x130
93074-2	IK09	50x150
93076-2	IK09	50x170
93086-2	IK10	70x170
93087-2	IK09	70x210
93125-2	IK09	50x170
93138-2	IK10	70x230

\* product marking in process, see [www.unex.net](http://www.unex.net)



## Safer installations

### Trunking 70 mm, bigger bending radius:

- Allows the necessary bending radius for passing the data cables acc./EN 50174-2.
- Larger spare section for cable passing.



### Protection of IT cables:

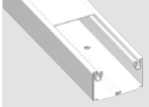



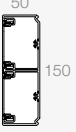
- Data cabling can keep the right bending radius according to EN 50174-2.



### Circuit separation:

- Unex 2 lid cover trunking allows to separate cabling and outlets, making unnecessary the use of a socket box for this purpose.








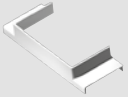




		Trunking sizes (mm)			
		50x80	50x100	50x130	50x150
	<div style="border: 1px solid gray; border-radius: 10px; padding: 5px; display: inline-block;">White</div> <b>RAL 9010</b> (Part no. 93xxx-2)				
		Cover sizes (mm)			
		<b>65</b>	<b>80</b>	<b>80</b>	<b>65</b>   <b>65</b>
		Maximum number of compartments			
		<b>2</b>	<b>2</b>	<b>2</b>	<b>4</b>
		<b>Trunking</b> 2 m	<b>93020-2</b>	<b>93021-2</b>	<b>93022-2</b>   <b>93074-2</b>

### Accessories in U23X

	<b>Divider</b> 2 m	<b>93820</b>
---	-----------------------	--------------

### Fittings in U24X

	<b>Flat angle</b>	<b>93220-2</b>	<b>93221-2</b>	<b>93222-2</b>	<b>93224-2</b>
	<b>External angle</b>	<b>93270-2</b>	<b>93271-2</b>	<b>93272-2</b>	<b>93274-2</b>
	<b>Outer variable angle</b>	<b>73309-2</b>			
	<b>Internal angle</b>	<b>93320-2</b>	<b>93321-2</b>	<b>93322-2</b>	<b>93324-2</b>
	<b>Inner variable angle</b>	<b>73359-2</b>			
	<b>End cover</b>	<b>93370-2</b>	<b>93371-2</b>	<b>93372-2</b>	<b>93374-2</b>
	<b>Joint cover piece</b>	<b>93520-2</b>	<b>93521-2</b>	<b>93522-2</b>	<b>93524-2</b>
	<b>Straight derivation</b> Branching to a 100 mm wide trunking	<b>93421-2</b>			
	<b>Internal angle derivation</b> Branching to a 100 mm wide trunking	<b>93471-2</b>			
	<b>L Profile</b> 2 m <span style="float: right;"><span style="background-color: red; color: white; padding: 2px;">U23X</span></span>	<b>93575-2</b>			








50x170		50x170			70x100	70x130	70x170		70x210		70x230		
65	80	37	65	37	80	80	65	80	80	80	65	65	65
4		4			2	2	4		4		6		
93076-2		93125-2			93031-2	93032-2	93086-2		93087-2		93138-2		

93820					93830				
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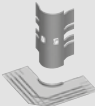

93226-2	93225-2	93231-2	93232-2	93236-2	93237-2	93238-2
93276-2	93275-2	93281-2	93282-2	93286-2	93287-2	93288-2
73309-2						
93326-2	93325-2	93331-2	93332-2	93336-2	93337-2	93338-2
73359-2						
93376-2	93376-2	93381-2	93382-2	93386-2	93387-2	93388-2
93526-2	93525-2	93531-2	93532-2	93536-2	93537-2	93538-2
93421-2		93431-2				
93471-2		93481-2				
93575-2						

		Trunking sizes (mm)			
		50x80	50x100	50x130	50x150
	White RAL 9010 (Part no. 93xxx-2)				
Cover sizes (mm)		65	80	80	65   65
Maximum number of compartments		2	2	2	4
	Trunking 2 m	93020-2	93021-2	93022-2	93074-2

Fittings in **U23X** and in **U24X**

	Floor strip 2 m <b>U23X</b>	93570-2			
	Floor strip external angle	93572-2			

Cable protection elements in **U24X**

	Corner-piece flat angle	93880			
	Corner-piece external angle	93870			
	Divider protective piece				93862

Other accessories in **U23X**

	Junction	93550			
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Fixing elements in **U63X**

	Trunking plug Note: Use drill bit Ø6 mm.	25106			
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Adapters for switches and sockets in **U24X**

	Adapter for switches and sockets	See table of adapters, according to the size of the cover. (See pages 104-105).			
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Modular adaptation of the Flexible runway 51 in **U24X** (See Furniture supply 51)

	Modular adapter for Flexible runway 51	51623-2	51624-2	51623-2	
---	--	---------	---------	---------	--



50x170		50x170			70x100	70x130	70x170		70x210		70x230		
65	80	37	65	37	80	80	65	80	80	80	65	65	65
4		4			2	2	4		4		6		
93076-2		93125-2			93031-2	93032-2	93086-2		93087-2		93138-2		

93570-2		93580-2		
93572-2		93582-2		

93880			
93870			
	93862		

93550			
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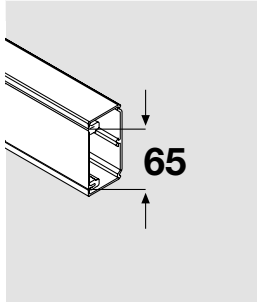
25106			
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See table of adapters, according to the size of the cover.  
(See pages 104-105).

51623-2	51624-2	51623-2	51624-2	51623-2	51624-2	51623-2
---------	---------	---------	---------	---------	---------	---------

See next page

Adapters for Trunking 93 cover 65 mm.



50x80	50x150	50x170	50x170	70x170	70x230
<b>93020-2</b>	<b>93074-2</b>	<b>93076-2</b>	<b>93125-2</b>	<b>93086-2</b>	<b>93138-2</b>

⊘ See next page for mounting of switches and sockets in trunkings with cover 80 mm.  
 ✕ Not suitable for trunkings with 37 mm cover.

Single plate RJ45

	Flat 1RJ45	<b>93749-2</b> (1)
	Flat 2RJ45	<b>93751-2</b> (1)
	Angled 2RJ45	<b>93753-2</b> (2)

Single adapter

	Niessen Zenit*	<b>93635-2</b>
	BJC* Sol	<b>93661-2</b>
	Simon* 27	<b>93623-2</b>
	Simon Connect* K45	<b>93608-2</b> (3)
	Mosaic* and compatible	<b>93608-2</b>
	Eunea Unica*	<b>93653-2</b>

Double adapter

	Simon Connect* K45	<b>93613-2</b> (3)
	Mosaic* and compatible	<b>93613-2</b>
	Eunea Unica*	<b>93656-2</b>
	Simon CIMA 500*	<b>93640-2</b>

Triple adapter

	Simon Connect* K45	<b>93618-2</b> (3)
	Mosaic* and compatible	<b>93618-2</b>

Adapter DIN

		<b>93648-2</b>
--	--	----------------

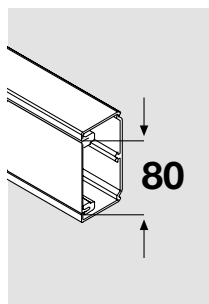
Socket boxes (5)

	Single adapter	Double adapter	Triple adapter
	<b>93713</b>	<b>93718</b>	<b>93728</b>

(1) Compatible with RJ45 Systimax solutions and Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.  
 (2) Compatible with RJ45 Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.  
 (3) Most of the switches and sockets of K type are compatible with this adapter. However, there are some part numbers (for example KB076, KB76, K130A, 2u. KA76, 2u. K302 + K115, etc.) that can only be mounted on the double plate 93613-2 or on the triple plate 93618-2 in the central area, placing blind lids on the sides.  
 (4) For electrical outlets DIN, the box 93718 is necessary to separate circuits or to fix in trunkings of 70 mm high.  
 (5) The use of the box is necessary to assure the separation of circuits.  
 \*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

See next page

## Adapters for Trunking 93 cover 80 mm.



50x100	50x130	50x170	70x100	70x130	70x170	70x210
<b>93021-2</b>	<b>93022-2</b>	<b>93076-2</b>	<b>93031-2</b>	<b>93032-2</b>	<b>93086-2</b>	<b>93087-2</b>

See last page for mounting of switches and sockets in trunkings with cover 65 mm.



### Universal single adapter (1)

	Universal CEE-7	<b>93604</b>
	Universal outlet box	<b>93709</b>

### Single industrial outlet box (2)

		<b>93708</b>
--	--	--------------

### Single plate RJ45 (3)

	Flat 1RJ45	<b>93750-2</b> (3)
	Flat 2RJ45	<b>93752-2</b> (3)
	Angled 2RJ45	<b>93754-2</b> (4)

### Single adapter (4)

	Niessen Zenit*	<b>93636-2</b>
	BJC* Sol	<b>93662-2</b>
	Simon* 27	<b>93624-2</b>
	Simon Connect* K45	<b>93609-2</b> (5)
	Mosaic* and compatible	<b>93609-2</b>
	Eunea Unica*	<b>93654-2</b>

### Double adapter (5)

	Simon CIMA 500*	<b>93641-2</b>
	Simon Connect* K45	<b>93614-2</b> (5)
	Mosaic* and compatible	<b>93614-2</b>
	Eunea Unica*	<b>93657-2</b>
	Universal	<b>93644-2</b> (6)

### Triple adapter (6)

	Simon Connect* K45	<b>93619-2</b> (5)
	Mosaic* and compatible	<b>93619-2</b>

### Adapter DIN (7)

		<b>93649-2</b>
--	--	----------------

### Socket boxes (8)

	Single adapter	Double adapter	Triple adapter
	<b>93714</b>	<b>93719</b> (9)	<b>93729</b> (9)

(1) Frames shall be supplied by the socket manufacturer. We recommend frames with straight corners.

(2) Box for industrial outlets, compatible with some outlets from Mennekes brand and others. Please contact us for details.

(3) Compatible with RJ45 Systemax solutions and Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.

(4) Compatible with RJ45 Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.

(5) Most of the switches and sockets of K type are compatible with this adapter. However, there are some part numbers (for example KB076, KB76, K130A, 2u. KA76, 2u. K302 + K115, etc.) that can only be mounted on the double plate 93614-2 or on the triple plate 93619-2 in the central area, placing blind lids on the sides.

(6) 1, 2 or 3 outlets of 25 mm. module can be installed.

(7) For electrical outlets DIN, the box 93719 is necessary to separate circuits or to fix in trunkings of 70 mm high.

(8) The use of the box is necessary to assure the separation of circuits.

(9) Contains a divider part no. 93720 to separate circuits. It can also be sold individually.

\*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

Useful cross-sections (mm<sup>2</sup>)

Part no.	White RAL 9010	Sizes (mm)			
		50x80	50x100	50x130	50x150
		<b>93020-2</b>	<b>93021-2</b>	<b>93022-2</b>	<b>93074-2</b>

Mounting of switches and socket outlets

<b>Universal outlets without box</b>			2150	3680	
<b>Modular outlets without box</b>		1565	2140	3670	1425 1425
<b>Universal or industrial outlets with box</b>			675 675	1435 1435	
<b>Modular and DIN outlets with box</b>		440 440	480 480	1245 1245	425 320 320 425

Distribution

<b>Without divider</b>		3110	3890	5415	2955 2955
<b>With divider</b>		1400 1400	1795 1795	2555 2555	1380 1275 1275 1380
<b>With divider and corner-piece</b>		1075 1075	1385 1385	1985 1985	1070 985 985 1070



50x170

50x170

70x100

70x130

70x170

70x210

70x230

**93076-2**

**93125-2**

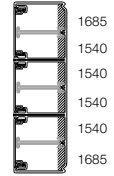
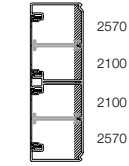
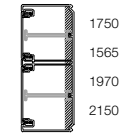
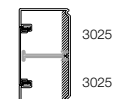
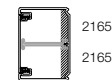
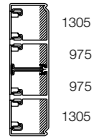
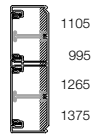
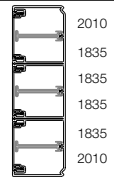
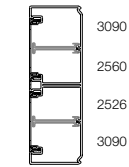
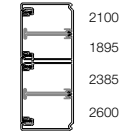
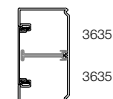
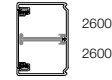
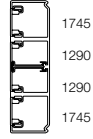
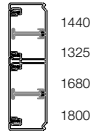
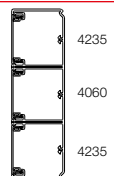
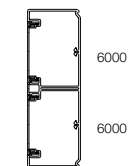
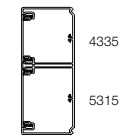
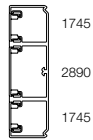
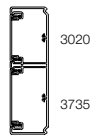
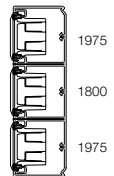
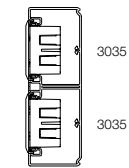
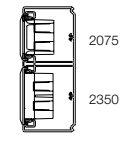
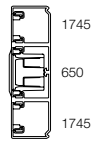
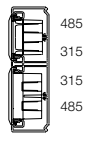
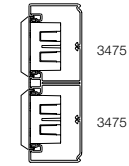
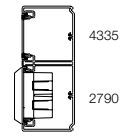
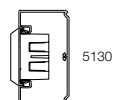
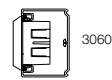
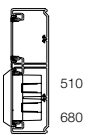
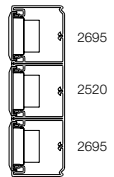
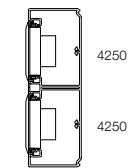
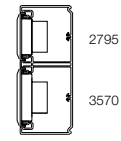
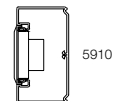
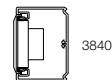
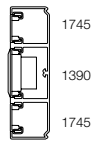
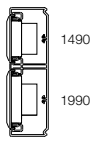
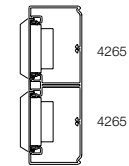
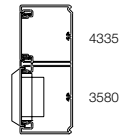
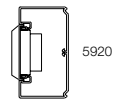
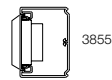
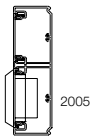
**93031-2**

**93032-2**

**93086-2**

**93087-2**

**93138-2**



Technical information

- Technical specifications
- Mounting instructions
- Different database formats



YouTube Unex Solutions

- Mounting videos





Power supply  
system for  
work spaces

# Trunking 93

raw material

**U23X**

colour

Aluminium



## Designed to fit in the most demanding architectural and decorative surroundings

- Integration into the surroundings due to the aluminium finishing.
- **Free choice of switches and sockets.**
- Possibility to **attach or flush-mount** the trunking on walls and furniture.
- Standard product, immediate availability.

## Raw material

**U23X**

Trunking


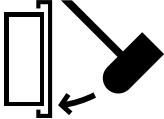
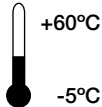
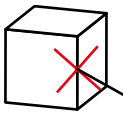

**U24X**

Fittings, accessories and switches and sockets adapters

Compliant



## Technical characteristics

Electrical	Mechanical	Temperature	Protection degree	In front of fire
				
EN 50085-2-1*	EN 50085-2-1*	EN 50085-2-1*	EN 50085-2-1*	
<p>Insulating material.</p> <hr/> <p>No earthing required.</p>	<p>IK08 type 3 (distribution and mounting of switches and sockets).</p>		<p>IP4X, mounted on the wall.</p>	<p>Glow-wire test 960°C.</p> <hr/> <p>Non flame propagating.</p> <hr/> <p>Reaction to fire, Class M1 acc./UNE 201010.</p> <hr/> <p>Flammability degree UL94: V0. Does not spread fire by dripping.</p>

\* BS EN 50085-2-1 is the UK implementation of EN 50085-2-1.



Length

**2 m**

Colour

**Aluminium****RAL 9006**

## Quality marks



## Approvals



Bureau Veritas

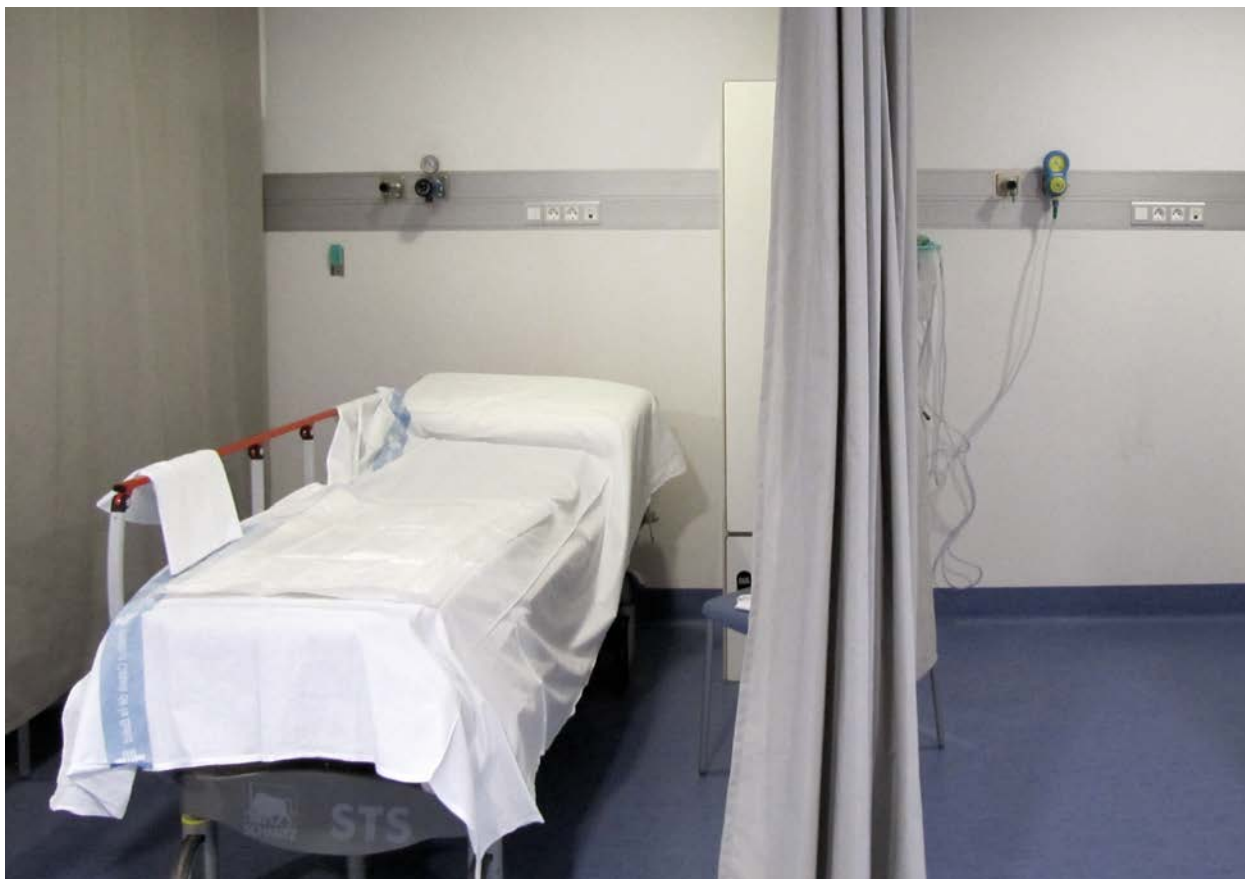
Φ3 от 22.07.08 N 123-Φ3  
ГОСТ P 53313-2009See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)

## Conformity declaration





Work spaces: office



Health care





Work spaces: office



Work spaces: office



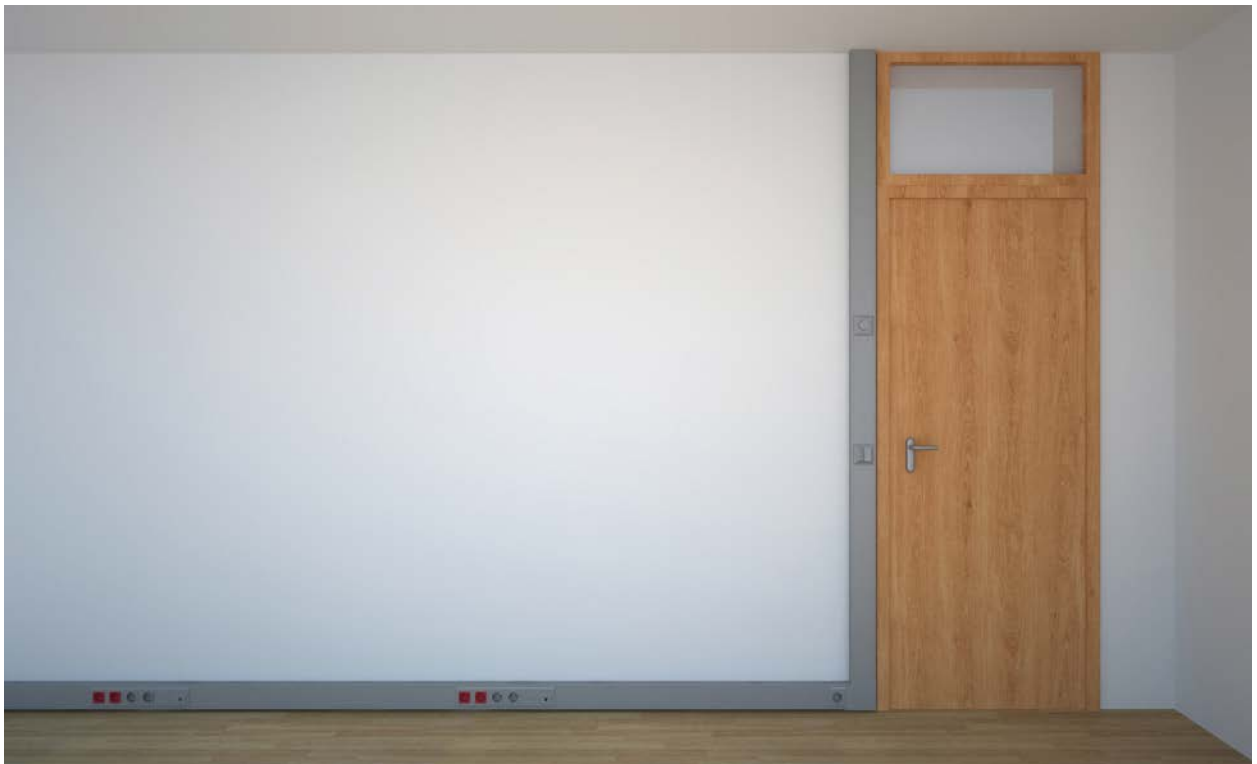
School

# Use

## Trunking as continuous box

---

Trunking allows to set the work spaces in any position to facilitate the extension and modification, depending on the user's needs.



Integration of the different types of installations in the same trunking.

# Mounting options

## On the wall or flush-mounted

---

Unex trunkings are designed for their mounting on the wall or flush-mounted on brick walls or plaster board, partitions, wooden linings, etc.



Skirting board



Windowsill



Embedded



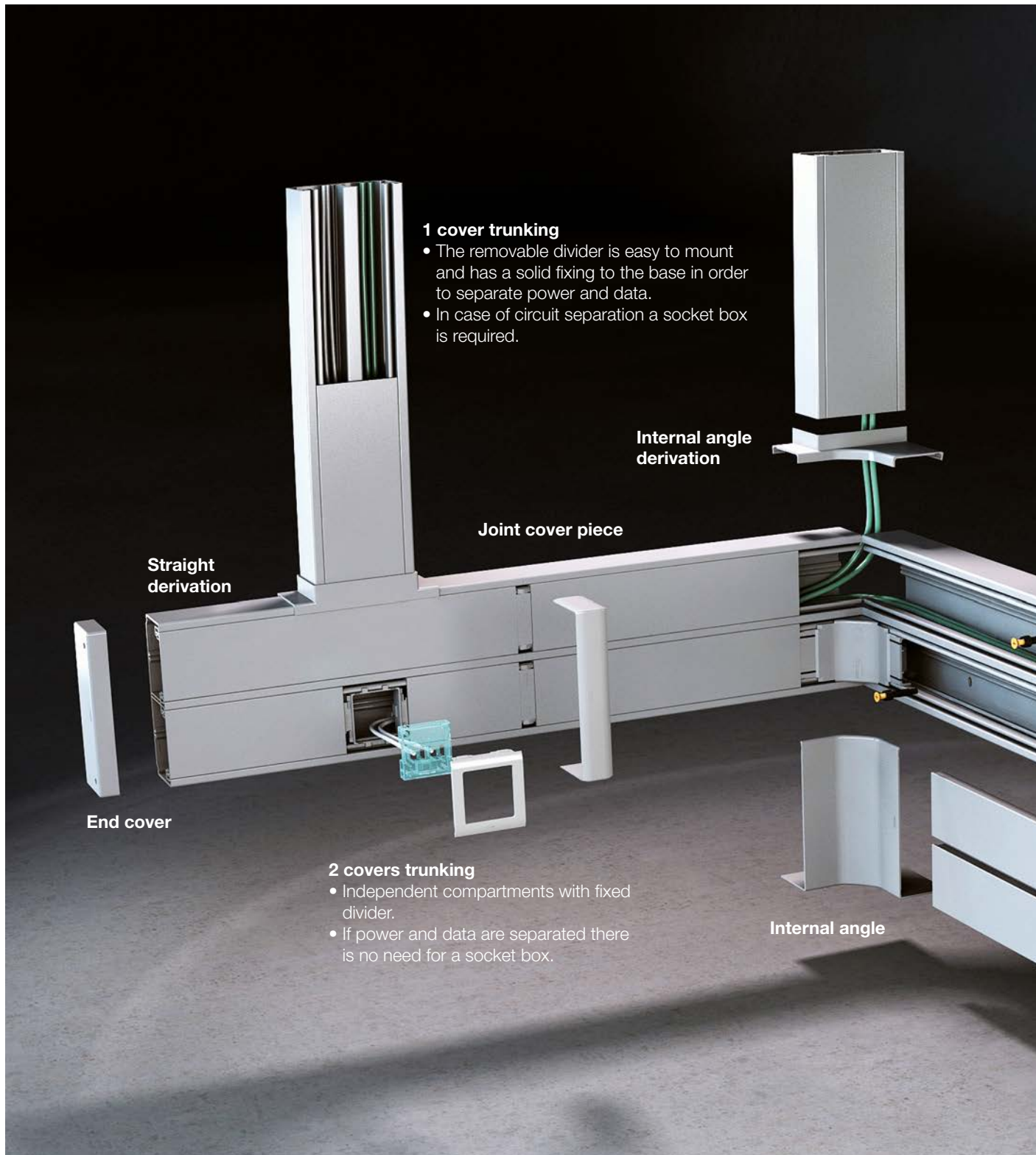
Attached to the furniture

# Safe and easy installation

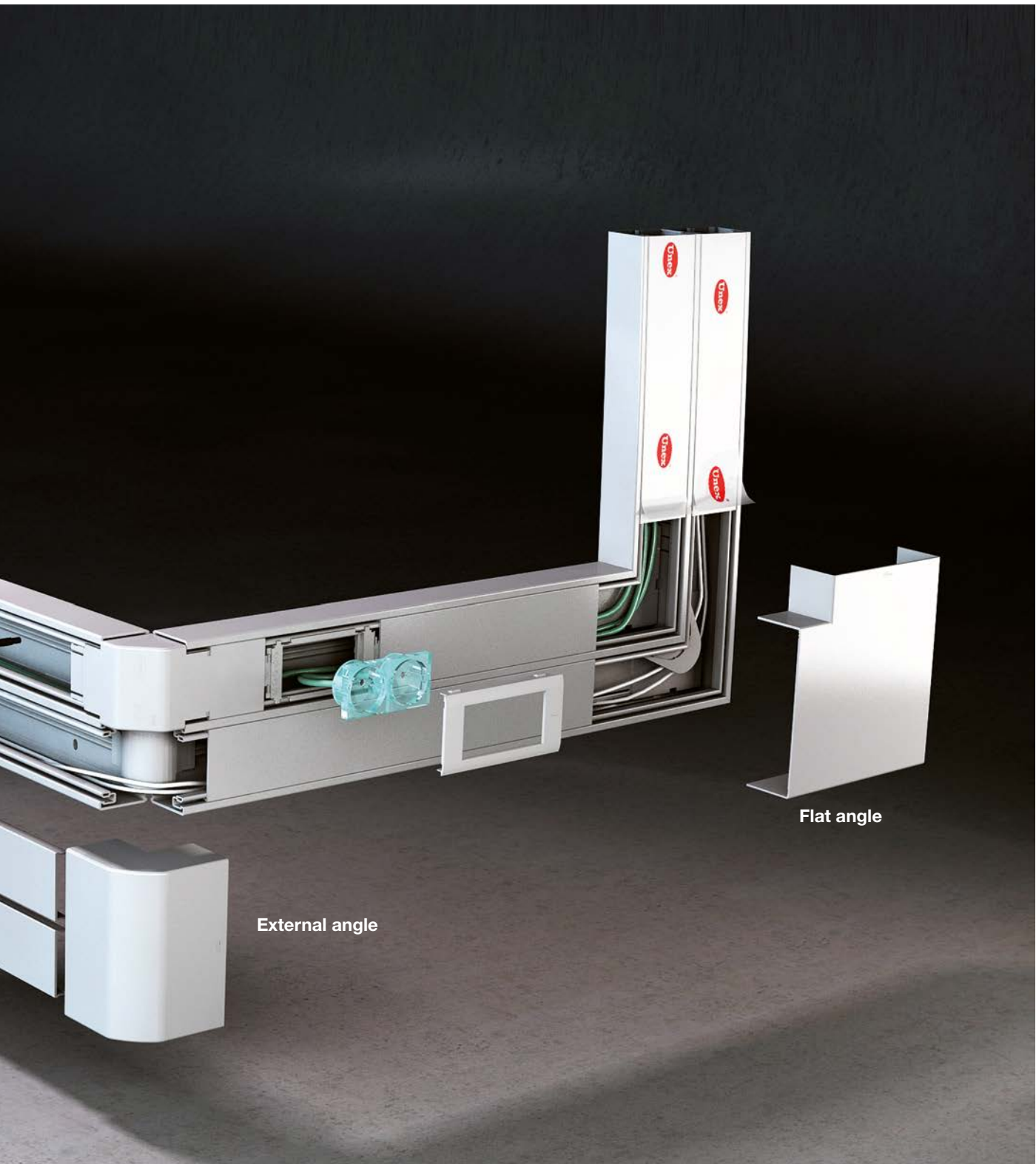
## Wiring accessories

Double-piece adapters:

- **Internal piece:** for a solid fixing to the base and easy measuring of the cover.
- **External and embellishing pieces:** hide the cover cut marks.
- IP4X protection against solid foreign objects.







External angle

Flat angle

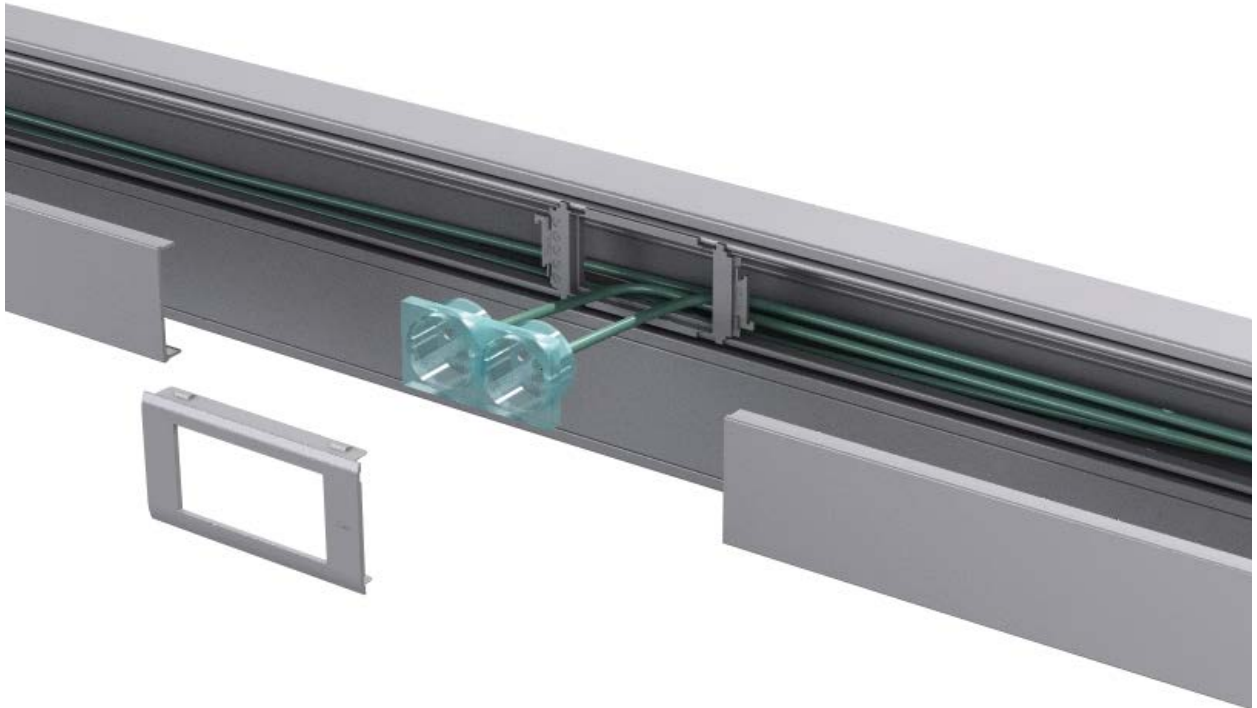
# Mounting of switches and sockets

## Safe installation

---

Double-piece adapters:

- **Internal piece:** for a solid fixing to the base and easy measuring of the cover.
- **External and embellishing pieces:** hide the cover cut marks.
- IP4X protection against solid foreign objects.



## Flexibility to combine a variety of switches and sockets

---

Unex trunkings are designed to combine different types of installations: electrical, TV, audio-video, sound, data, security, control, etc.

Possibility of extension and evolution of the installations with no dependence on the type of outlet installed.





# Flexibility to combine a variety of switches and sockets

## Electrical outlets

### Universal CEE-7



- Niessen\* Olas, Arco, Tacto, Zenit and Stylo.
- BJC\*.
- Jung\*.
- Simon\* 31, 75, 88, 82.
- Mosaic\*.
- Bticino\*.
- Eunea\*.
- Berker\*.
- Gewiss\*.

### Industrial socket box



- Mennekes\*.
- ABL\*.
- Simon\*.

### Modular



- Niessen Zenit\*.
- Simon\* 27.
- Simon Connect\* K45 and compatible.
- Mosaic\*.
- Eunea Unica\*.
- BJC Sol\*.

### Modular double



- Mosaic\*.
- Simon Connect\* K45 "linkable".
- Eunea Unica\*.
- Simon CIMA 500\*.

### Modular triple



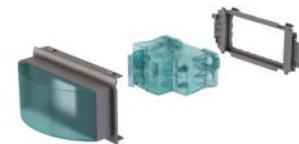
- Simon Connect\* K45 "linkable".
- Mosaic\*.

### Universal



- Niessen\* Zenit.
- Bticino\*.
- Unica-Allegro\* (3 modules).
- Gewiss\*.

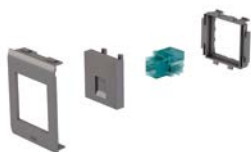
### DIN (Bipolar)



- MCB's (Miniature circuit breakers).
- RCD's (Residual current devices).

## Data connectors

### Flat plate 1 RJ45



- Compatible with:
- Systemax solutions.
  - Universal type Keystone.

### Flat plate 2 RJ45



- Compatible with:
- Systemax solutions.
  - Universal type Keystone.

### Angled plate 2 RJ45



- Compatible with:
- Universal type Keystone.

\* These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

# Safety

## Electrical safety

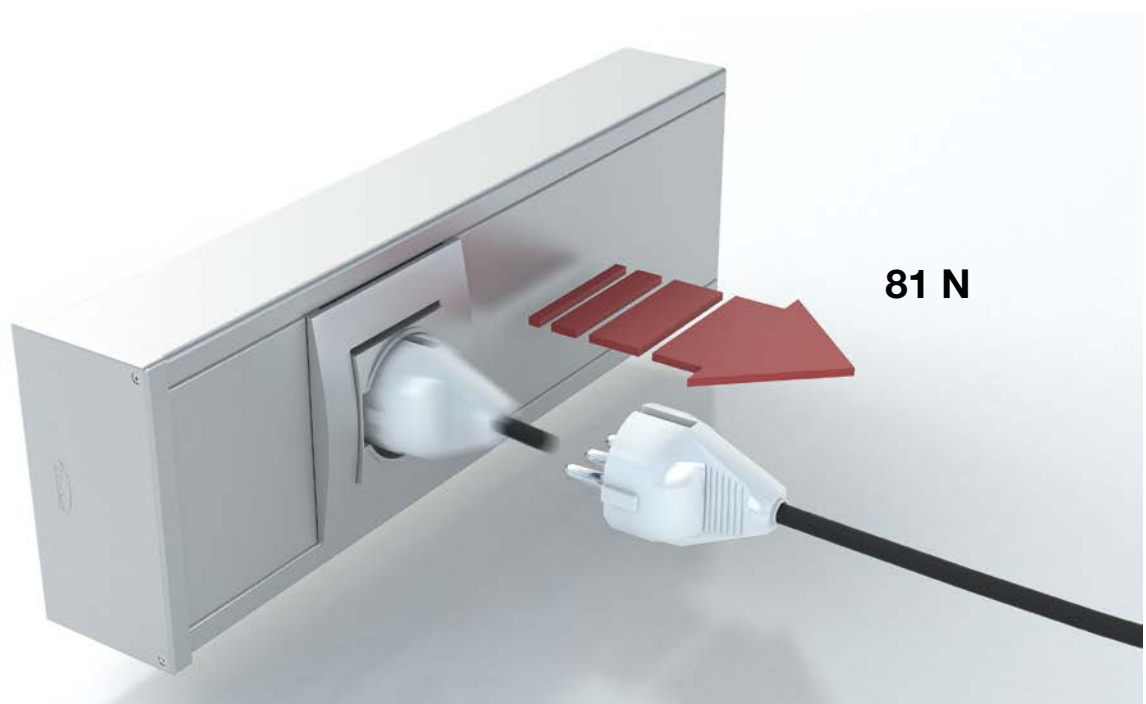
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**Protection degree IP4X against solid foreign objects:**

The system of adapters for Trunking 93 assures protection degree IP4X or IPXXD against solid foreign objects, acc./EN 50085-2-1.

**Resistance to wrenching:**

The adapters for power outlets resist 81N, in compliance with EN 50085-1 and European regulations of power outlets.



## Safer installations

### Trunking 70 mm, bigger bending radius:

- Allows the necessary bending radius for passing the data cables acc./EN 50174-2.
- Larger spare section for cable passing.



### Protection of IT cables:




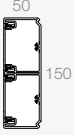
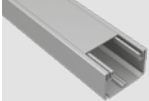
- Data cabling can keep the right bending radius according to EN 50174-2.



### Circuit separation:

- Unex 2 lid cover trunking allows to separate cabling and outlets, making unnecessary the use of a socket box for this purpose.







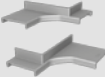





		Trunking sizes (mm)		50x80		50x100		50x150	
 <b>Aluminium</b> <b>RAL 9006</b> (Part no. 93xxx-03)									
Cover sizes (mm)		65		80		65		65	
Maximum number of compartments		2		2		4			
	<b>Trunking</b> 2 m	93020-03		93021-03		93074-03			

### Accessories in U23X

	<b>Divider</b> 2 m	93820			
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### Fittings in U24X

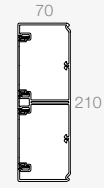
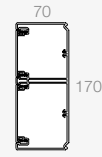
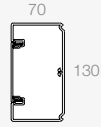
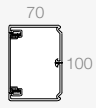
	<b>Flat angle</b>	93220-03	93221-03	93224-03
	<b>External angle</b>	93270-03	93271-03	93274-03
	<b>Internal angle</b>	93320-03	93321-03	93324-03
	<b>End cover</b>	93370-03	93371-03	93374-03
	<b>Joint cover piece</b>	93520-03	93521-03	93524-03
	<b>Straight derivation</b> Branching to a 100 mm wide trunking	93421-03		
	<b>Internal angle derivation</b> Branching to a 100 mm wide trunking	93471-03		
	<b>L Profile</b> 2 m	<span>U23X</span> 93575-03		
	<b>Floor strip</b> 2 m	<span>U23X</span> <span>White</span> RAL 9010 93570-2		
	<b>Floor strip external angle</b>	<span>White</span> RAL 9010 93572-2		

70x100

70x130

70x170

70x210



80

80

65

80

80

80

2

2

4

4

93031-03

93032-03

93086-03

93087-03

93830

93231-03

93232-03

93236-03

93237-03

93281-03

93282-03

93286-03

93287-03

93331-03

93332-03

93336-03

93337-03

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93386-03

93387-03

93531-03

93532-03

93536-03

93537-03

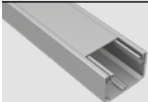



93431-03

93575-2



93580-2

93582-2

See next page

Trunking sizes (mm)		50x80	50x100	50x150	
	Aluminium RAL 9006 (Part no. 93xxx-03)				
Cover sizes (mm)		65	80	65	65
Maximum number of compartments		2	2	4	
Trunking 2 m		93020-03	93021-03	93074-03	

Cable protection elements in **U24X**

	Corner-piece flat angle	93880		
	Corner-piece external angle	93870		
	Divider protective piece			93862


Other accessories in **U23X**

	Junction	93550		
---	----------	-------	--	--


Fixing elements in **U63X**

	Trunking plug Note: Use drill bit Ø6 mm.	25106		
---	---	-------	--	--

Adapters for switches and sockets in **U24X**

	Adapter for switches and sockets	See table of adapters, according to the size of the cover. (See pages 126-127).		
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Modular adaptation of the Flexible runway 51 in **U24X** (See Furniture supply 51)

	Modular adapter for Flexible runway 51	51623-03	51624-03	51623-03
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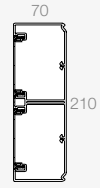
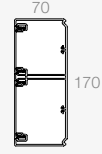
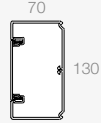
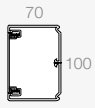


70x100

70x130

70x170

70x210



**80**

**80**

**65**

**80**

**80**

**80**

2

2

4

4

**93031-03**

**93032-03**

**93086-03**

**93087-03**

**93880**

**93870**

**93550**

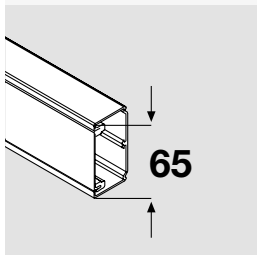
**25106**

See table of adapters, according to the size of the cover.  
(See pages 126-127).

**51624-03**

See next page

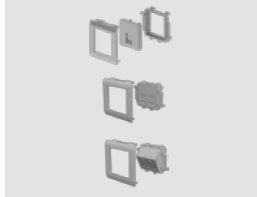
Adapters for Trunking 93 cover 65 mm.



50x80	50x150	70x170
<b>93020-03</b>	<b>93074-03</b>	<b>93086-03</b>

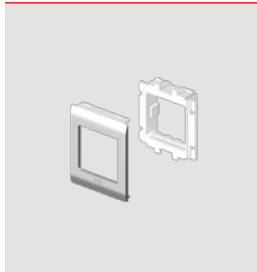
See next page for mounting of switches and sockets in trunkings with cover 80 mm.

Single plate RJ45



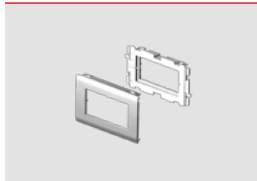
Flat 1RJ45	<b>93749-03</b> (1)
Flat 2RJ45	<b>93751-03</b> (1)
Angled 2RJ45	<b>93753-03</b> (2)

Single adapter



Niessen Zenit*	<b>93635-03</b>
BJC* Sol	<b>93661-03</b>
Simon* 27	<b>93623-03</b>
Simon Connect* K45	<b>93608-03</b> (3)
Mosaic* and compatible	<b>93608-03</b>
Eunea Unica*	<b>93653-03</b>

Double adapter



Simon Connect* K45	<b>93613-03</b> (3)
Mosaic* and compatible	<b>93613-03</b>
Eunea Unica*	<b>93656-03</b>
Simon CIMA 500*	<b>93640-03</b>

Triple adapter



Simon Connect* K45	<b>93618-03</b> (3)
Mosaic* and compatible	<b>93618-03</b>

Adapter DIN



	<b>93648-03</b>
--	-----------------

Socket boxes (5)



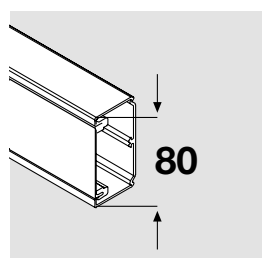
Single adapter	Double adapter	Triple adapter
<b>93713</b>	<b>93718</b>	<b>93728</b>

- (1) Compatible with RJ45 Systimax solutions and Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.
- (2) Compatible with RJ45 Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.
- (3) Most of the switches and sockets of K type are compatible with this adapter. However, there are some part numbers (for example KB076, KB76, K130A, 2u. KA76, 2u. K302 + K115, etc.) that can only be mounted on the double plate 93613-03 or on the triple plate 93618-03 in the central area, placing blind lids on the sides.
- (4) For electrical outlets DIN, the box 93718 is necessary to separate circuits.
- (5) The use of the box is necessary to assure the separation of circuits.

\*These brands belong to third parties, they are not related to Unex aparellaje eléctrico, S.L.

See next page

## Adapters for Trunking 93 cover 80 mm.



50x100	70x100	70x130	70x170	70x210
<b>93021-03</b>	<b>93031-03</b>	<b>93032-03</b>	<b>93086-03</b>	<b>93087-03</b>



See last page for mounting of switches and sockets in trunkings with cover 65 mm.

### Universal single adapter (1)

	Universal CEE-7	<b>93604</b>
	Universal outlet box	<b>93709</b>

### Single industrial outlet box (2)

		<b>93708</b>
--	--	--------------

### Single plate RJ45

	Flat 1RJ45	<b>93750-03</b> (3)
	Flat 2RJ45	<b>93752-03</b> (3)
	Angled 2RJ45	<b>93754-03</b> (4)

### Single adapter

	Niessen Zenit*	<b>93636-03</b>
	BJC* Sol	<b>93662-03</b>
	Simon* 27	<b>93624-03</b>
	Simon Connect* K45	<b>93609-03</b> (5)
	Mosaic* and compatible	<b>93609-03</b>
	Eunea Unica*	<b>93654-03</b>

### Double adapter |

	Simon CIMA 500*	<b>93641-03</b>
	Simon Connect* K45	<b>93614-03</b> (5)
	Mosaic* and compatible	<b>93614-03</b>
	Eunea Unica*	<b>93657-03</b>
	Universal	<b>93644-03</b> (6)

### Triple adapter | |

	Simon Connect* K45	<b>93619-03</b> (5)
	Mosaic* and compatible	<b>93619-03</b>

### Adapter DIN (7)

		<b>93649-03</b>
--	--	-----------------

### Socket boxes (8)

	Single adapter	Double adapter	Triple adapter
--	----------------	----------------	----------------

	<b>93714</b>	<b>93719</b> (9)	<b>93729</b> (9)
--	--------------	------------------	------------------

(1) Frames shall be supplied by the socket manufacturer. We recommend frames with straight corners.

(2) Box for industrial outlets, compatible with some outlets from Mennekes brand and others. Please contact us for details.

(3) Compatible with RJ45 Systimax solutions and Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.

(4) Compatible with RJ45 Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.

(5) Most of the switches and sockets of K type are compatible with this adapter. However, there are some part numbers (for example KB076, KB76, K130A, 2u. KA76, 2u. K302 + K115, etc.) that can only be mounted on the double plate 93614-03 or on the triple plate 93619-03 in the central area, placing blind lids on the sides.

(6) 1, 2 or 3 outlets of 25 mm. module can be installed.

(7) For electrical outlets DIN, the box 93719 is necessary to separate circuits or to fix in trunkings of 70 mm high.

(8) The use of the box is necessary to assure the separation of circuits.

(9) Contains a divider part no. 93720 to separate circuits. It can also be sold individually.

\*These brands belong to third parties, without relationship with Unex aparellaje eléctrico, S.L.

Useful cross-sections (mm<sup>2</sup>)

		Sizes (mm)			
		50x80	50x100	50x150	
Part no.	Aluminium RAL 9006	93020-03	93021-03	93074-03	
<b>Mounting of switches and socket outlets</b>					
Universal outlets without box			2150		
Modular outlets without box		1565	2140	1425 1425	
Universal or industrial outlets with box			675 675		
Modular and DIN outlets with box		440 440	480 480	425 320 320 425	
<b>Distribution</b>					
Without divider		3110	3890	2955 2955	
With divider		1400 1400	1795 1795	1380 1275 1275 1380	
With divider and corner-piece		1075 1075	1385 1385	1070 985 985 1070	

70x100

70x130

70x170

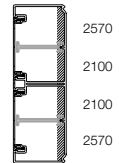
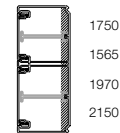
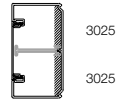
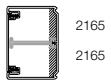
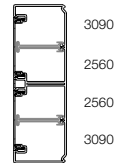
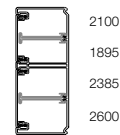
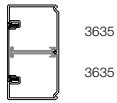
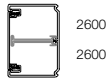
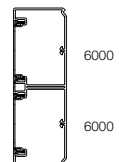
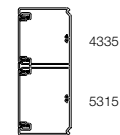
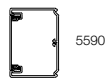
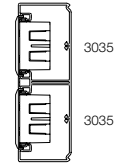
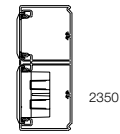
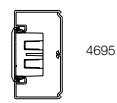
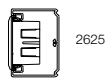
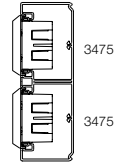
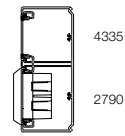
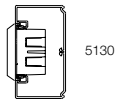
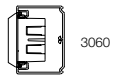
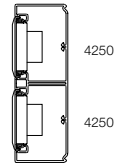
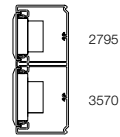
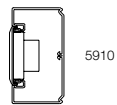
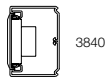
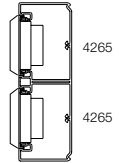
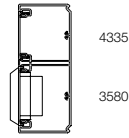
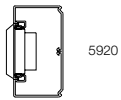
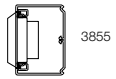
70x210

**93031-03**

**93032-03**

**93086-03**

**93087-03**



[www.unex.net](http://www.unex.net)

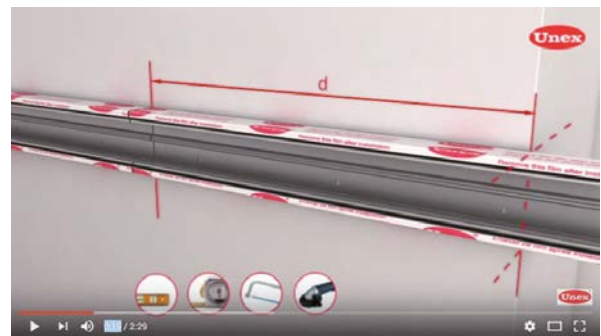
### Technical information

- Technical specifications
- Mounting instructions
- Different database formats



### YouTube Unex Solutions

- Mounting videos







Power supply  
system for  
work spaces

# Trunking 93

raw material

**ALUMINIUM**

colour

**Aluminium**

To mount switches and sockets in environments where a neat finishing is required

- **Free choice of switches and sockets.**
- Possibility to **attach or flush-mount** the trunking on walls and furniture.
- Fixed division with independent covers and possible sub-divisions.

## Raw material

ALUMINIUM

Trunking

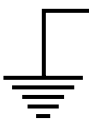
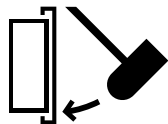
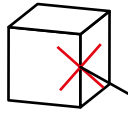
U24X

Fittings, accessories and switches and sockets adapters

Compliant



## Technical characteristics

Electrical	Mechanical	Protection degree
		
EN 50085-2-1*	EN 50085-2-1*	EN 50085-2-1*
<p>Non insulating material.</p> <hr/> <p>It has insulating connection boxes and fixing elements, to earth base and cover.</p>	<p>IK07 type 3 (distribution and mounting of switches and sockets).</p>	<p>IP4X, mounted on the wall.</p>

\* BS EN 50085-2-1 is the UK implementation of EN 50085-2-1.



Length

**2 m**

Colour

**Aluminium**

**Anodized  
RAL 9006**

Conformity declaration



See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)



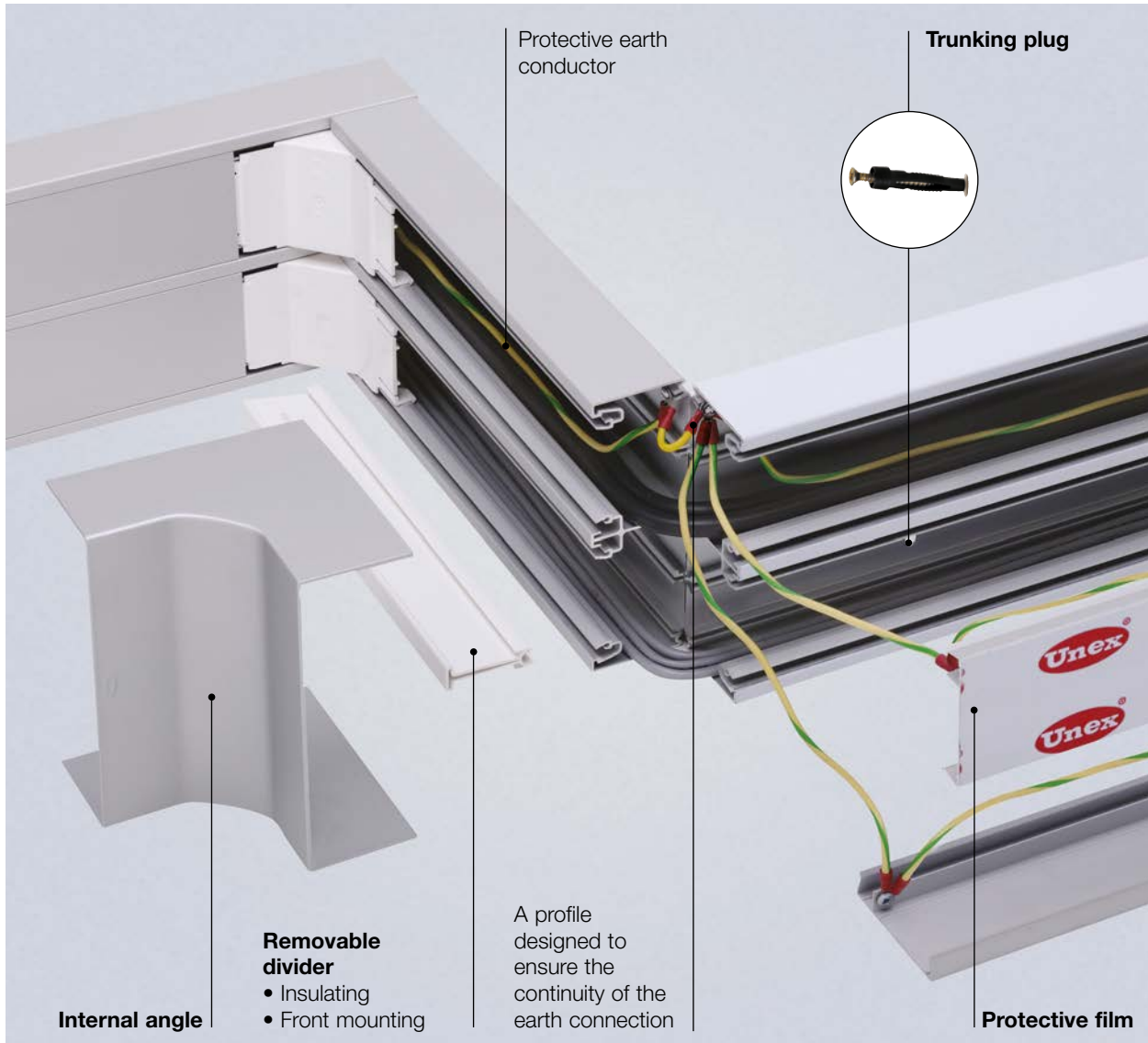
Work spaces: office



Work spaces: office

# Easy installation

## Trunking and fittings



### Protection of data cables

### Fittings in 2 pieces

#### External angle

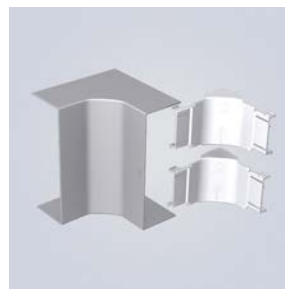


#### Flat angle

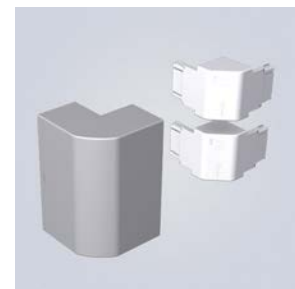


Allows you to keep the right bending radius.

#### Internal angle



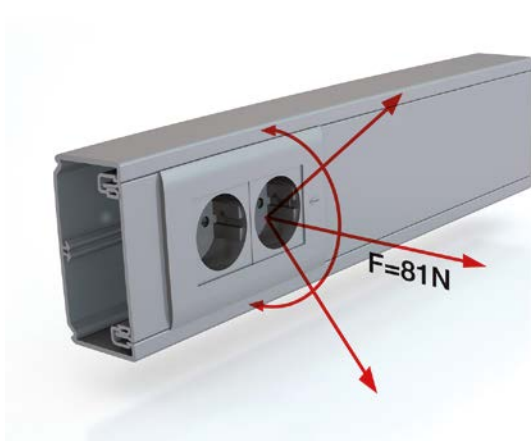
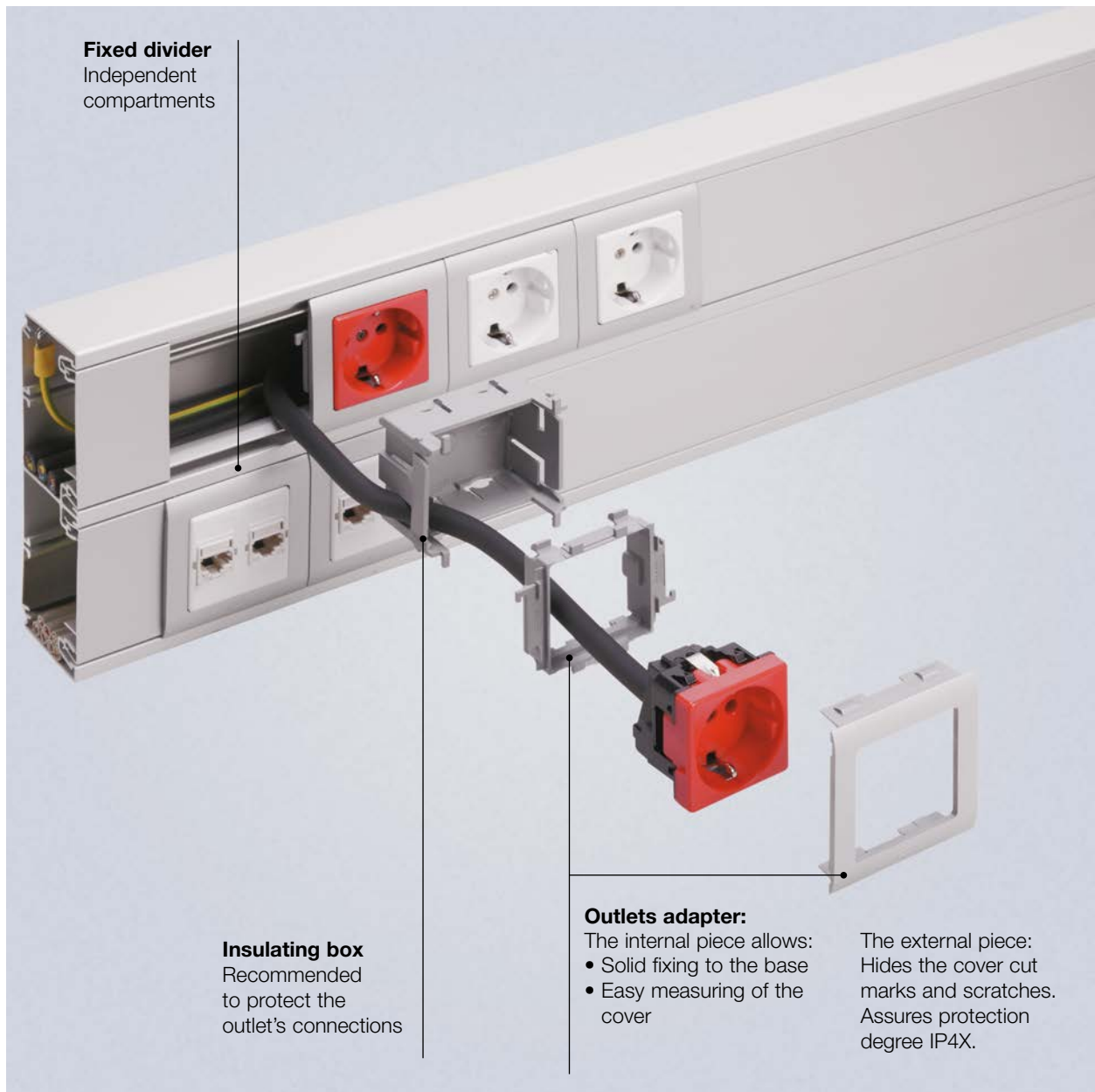
#### External angle



**Internal pieces** allow easy measuring of the cover. **External pieces** hide the cut marks of base and cover. It is not necessary to slide the cover. Assures protection degree IP4X.

# Mounting of switches and sockets

## Safe installation



## Maximum electrical safety

- The system has clamps to facilitate the earthing of base and cover.
- Insulating socket boxes for connections.
- Unex switches and sockets assure a minimum pulling resistance of **81N** and comply with the demands of European Standard EN 50085-1 as well as each country standard for switches and sockets.



# Flexibility to combine a variety of switches and sockets

## Electrical outlets

### Universal CEE-7



- Niessen\* Olas, Arco, Tacto, Zenit and Stylo.
- BJC\*.
- Jung\*.
- Simon\* 31, 75, 88, 82.
- Mosaic\*.
- Valena\*.
- Bticino\*.
- Eunea\*.
- Berker\*.
- Gewiss\*.

### Industrial socket box



- Mennekes\*.
- ABL\*.
- Simon\*.

### Modular



- Niessen Zenit\*.
- Simon\* 27.
- Simon Connect\* K45 and compatible.
- Mosaic\*.
- Eunea Unica\*.
- BJC Sol\*.

### Modular double



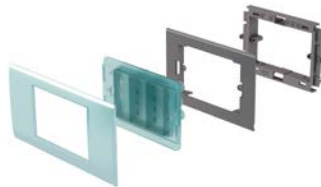
- Mosaic\*.
- Simon Connect\* K45 "linkable".
- Eunea Unica\*.
- Simon CIMA 500\*.

### Modular triple



- Simon Connect\* K45 "linkable".
- Mosaic\*.

### Universal



- Niessen\* Zenit.
- Bticino\*.
- Unica-Allegro\* (3 modules).
- Gewiss\*.

### DIN (Bipolar)



- MCB's (Miniature circuit breakers).
- RCD's (Residual current devices).

## Data connectors

### Flat plate 1 RJ45



- Compatible with:
- Systimax solutions.
  - Universal type Keystone.

### Flat plate 2 RJ45



- Compatible with:
- Systimax solutions.
  - Universal type Keystone.

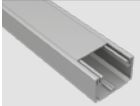


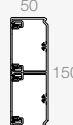
### Angled plate 2 RJ45



- Compatible with:
- Universal type Keystone.

**Reduced stock of fittings:** Same system for mounting switches and sockets for: Trunking 93, Modular box 85, Service pole 50, Service post 50 and Furniture supply 51.







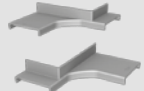



\* These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.


Trunking sizes (mm)		50x80	50x100	50x150	
	<p>Aluminium</p> <p>RAL 9006 (Part no. 93xxx-33 and 93xxx-03)</p>				
Cover sizes (mm)		65	80	65	65
Maximum number of compartments		2	2	4	
	Trunking 2 m	93020-33	93021-33	93074-33	

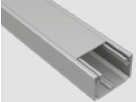


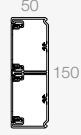
### Accessories in U23X

	Divider 2 m	93820			
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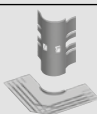
### Fittings in U24X

	Flat angle	93220-03	93221-03	93224-03
	External angle	93270-03	93271-03	93274-03
	Internal angle	93320-03	93321-03	93324-03
	End cover	93370-03	93371-03	93374-03
	Joint cover piece	93520-03	93521-03	93524-03
	Straight derivation Branching to a 100 mm wide trunking	93421-03		
	Internal angle derivation Branching to a 100 mm wide trunking	93471-03		
	L Profile 2 m	U23X	93575-03	
	Floor strip 2 m	U23X White RAL 9010	93570-2	
	Floor strip external angle	White RAL 9010	93572-2	

See next page 

Trunking sizes (mm)		50x80	50x100	50x150	
	<b>Aluminium</b> <b>RAL 9006</b> (Part no. 93xxx-33 and 93xxx-03)				
Cover sizes (mm)		<b>65</b>	<b>80</b>	<b>65</b>	<b>65</b>
Maximum number of compartments		2	2	4	
Trunking 2 m		<b>93020-33</b>	<b>93021-33</b>	<b>93074-33</b>	



**Cable protection elements in U24X**

	<b>Corner-piece flat angle</b>	<b>93880</b>
	<b>Corner-piece external angle</b>	<b>93870</b>


**Other accessories in U23X**

	<b>Junction</b>	<b>93550</b>
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**Fixing elements in U63X**


	<b>Trunking plug</b> Note: Use drill bit Ø6 mm.	<b>25106</b>
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**Adapters for switches and sockets in U24X**

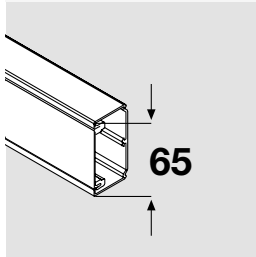
	<b>Adapter for switches and sockets</b>	See table of adapters, according to the size of the cover (See pages 140-141).
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**Modular adaptation of Flexible runway 51 in U24X (See Furniture supply 51)**

	<b>Modular adapter for Flexible runway 51</b>	<b>51623-03</b>	<b>51624-03</b>	<b>51623-03</b>
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 See next page 

Adapters for Trunking 93 cover 65 mm.



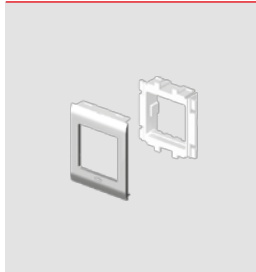
50x80	50x150
<b>93020-33</b>	<b>93074-33</b>

**Single plate RJ45**



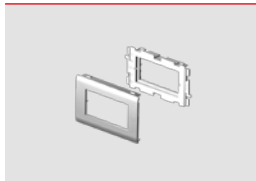
Flat 1RJ45	<b>93749-03</b> (1)
Flat 2RJ45	<b>93751-03</b> (1)
Angled 2RJ45	<b>93753-03</b> (2)

**Single adapter**



Niessen Zenit*	<b>93635-03</b>
BJC* Sol	<b>93661-03</b>
Simon* 27	<b>93623-03</b>
Simon Connect* K45	<b>93608-03</b> (3)
Mosaic* and compatible	<b>93608-03</b>
Eunea Unica*	<b>93653-03</b>

**Double adapter**



Simon Connect* K45	<b>93613-03</b> (3)
Mosaic* and compatible	<b>93613-03</b>
Eunea Unica*	<b>93656-03</b>
Simon CIMA 500*	<b>93640-03</b>

**Triple adapter**



Simon Connect* K45	<b>93618-03</b>
Mosaic* and compatible	<b>93618-03</b> (3)

**Adapter DIN**



**93648-03**

**Socket boxes** (5)      **Single adapter**      **Double adapter**      **Triple adapter**



**93713**

**93718**

**93728**

(1) Compatible with RJ45 Systimax solutions and Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.

(2) Compatible with RJ45 Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.

(3) Most of the switches and sockets of K type are compatible with this adapter. However, there are some part numbers (for example KB076, KB76, K130A, 2u. KA76, 2u. K302 + K115, etc.) that can only be mounted on the double plate 93613-03 or on the triple plate 93618-03 in the central area, placing blind lids on the sides.

(4) For electrical outlets DIN, the box 93718 is necessary to separate circuits.

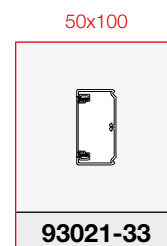
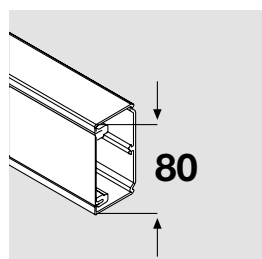
(5) The use of the box is necessary to assure the separation of circuits.

\*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

See next page



## Adapters for Trunking 93 cover 80 mm.



### Universal single adapter (1)

	Universal CEE-7	<b>93604</b>
	Universal outlet box	<b>93709</b>

### Single industrial outlet box (2)

		<b>93708</b>
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### Single plate RJ45

	Flat 1RJ45	<b>93750-03</b> (3)
	Flat 2RJ45	<b>93752-03</b> (3)
	Angled 2RJ45	<b>93754-03</b> (4)

### Single adapter

	Niessen Zenit*	<b>93636-03</b>
	BJC* Sol	<b>93662-03</b>
	Simon* 27	<b>93624-03</b>
	Simon Connect* K45	<b>93609-03</b> (5)
	Mosaic* and compatible	<b>93609-03</b>
	Eunea Unica*	<b>93654-03</b>

### Double adapter |

	Simon CIMA 500*	<b>93641-03</b>
	Simon Connect* K45	<b>93614-03</b> (5)
	Mosaic* and compatible	<b>93614-03</b>
	Eunea Unica*	<b>93657-03</b>
	Universal	<b>93644-03</b> (6)

### Triple adapter | |

	Simon Connect* K45	<b>93619-03</b> (5)
	Mosaic* and compatible	<b>93619-03</b>

### Adapter DIN (7)

		<b>93649-03</b>
--	--	-----------------

### Socket boxes (8)      **Single adapter**      **Double adapter**      **Triple adapter**

	<b>93714</b>	<b>93719</b> (9)	<b>93729</b> (9)
--	--------------	------------------	------------------

- (1) Frames shall be supplied by the socket manufacturer. We recommend frames with straight corners.  
 (2) Box for industrial outlets, compatible with some outlets from Mennekes brand and others. Please contact us for details.  
 (3) Compatible with RJ45 Systimax solutions and Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.  
 (4) Compatible with RJ45 Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.  
 (5) Most of the switches and sockets of K type are compatible with this adapter. However, there are some part numbers (for example KB076, KB76, K130A, 2u. KA76, 2u. K302 + K115, etc.) that can only be mounted on the double plate 93614-03 or on the triple plate 93619-03 in the central area, placing blind lids on the sides.  
 (6) 1, 2 or 3 outlets of 25mm. module can be installed.  
 (7) For electrical outlets DIN, the box 93719 is necessary to separate circuits.  
 (8) The use of the box is necessary to assure the separation of circuits.  
 (9) Contains a divider part no. 93720 to separate circuits. It can also be sold individually.  
 \*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

### Useful cross-sections (mm<sup>2</sup>)

		50x80	50x100	50x150
Part no.	Aluminium RAL 9006	<b>93020-33</b>	<b>93021-33</b>	<b>93074-33</b>



#### Mounting of switches and socket outlets

Universal or industrial outlets with box			675 675	
Modular and DIN outlets with box		440 440	480 480	425 320 320 425

#### Distribution

Without divider		3110	3890	2955 2955
With divider		1400 1400	1795 1795	1380 1275 1275 1380
With divider and corner-piece		1075 1075	1385 1385	1070 985 985 1070





Cable conduction  
system with the  
possibility of mounting  
switches and sockets

# Mini trunking

# 78

raw material

**U23X**

colour

White

Grey

## Distribution and mounting of switches and sockets

- Trunking of small dimensions with external cover.
- One to three compartments to separate circuits.
- Possibility to adapt switches and sockets.
- **Can be painted.**

## Raw material

<b>U23X</b>	Mini trunking
<b>U24X</b>	Fittings, accessories and switches and sockets adapters

Compliant



## Technical characteristics

Electrical	Mechanical	Service temperature	Protection degree	In front of fire
<b>EN 50085-2-1*</b>	<b>EN 50085-2-1*</b>	<b>EN 50085-2-1*</b>	<b>EN 50085-2-1*</b>	<b>EN 50085-2-1*</b>
Insulating material. <hr/> No earthing required.	IK07 Mini trunking 7x12 mm. and 10x16 mm: IK04.		IP4X, mounted on the wall (Mini trunking 7x12 mm. and 10x16 mm: IP3X).	Glow-wire test 960°C. <hr/> Non flame propagating. <hr/> Reaction to fire, Class M1 acc./UNE 201010. <hr/> Flammability degree UL94: V0. Does not spread fire by dripping.

\* BS EN 50085-2-1 is the UK implementation of EN 50085-2-1.



Length

**2 m**

Colour

White

**RAL 9010**

Grey

**RAL 7035**

## Quality marks



## Approvals



Bureau Veritas


 Ф3 от 22.07.08 N 123-Ф3  
 ГОСТ P 53313-2009

 See updated technical  
 information of each  
 part number on  
[www.unex.net](http://www.unex.net)

## Conformity declaration



78

U23X  
White / Grey

Mini trunking



Work spaces: office



Apartment building renovation



School: library



Health care: kitchen



Apartment building renovation



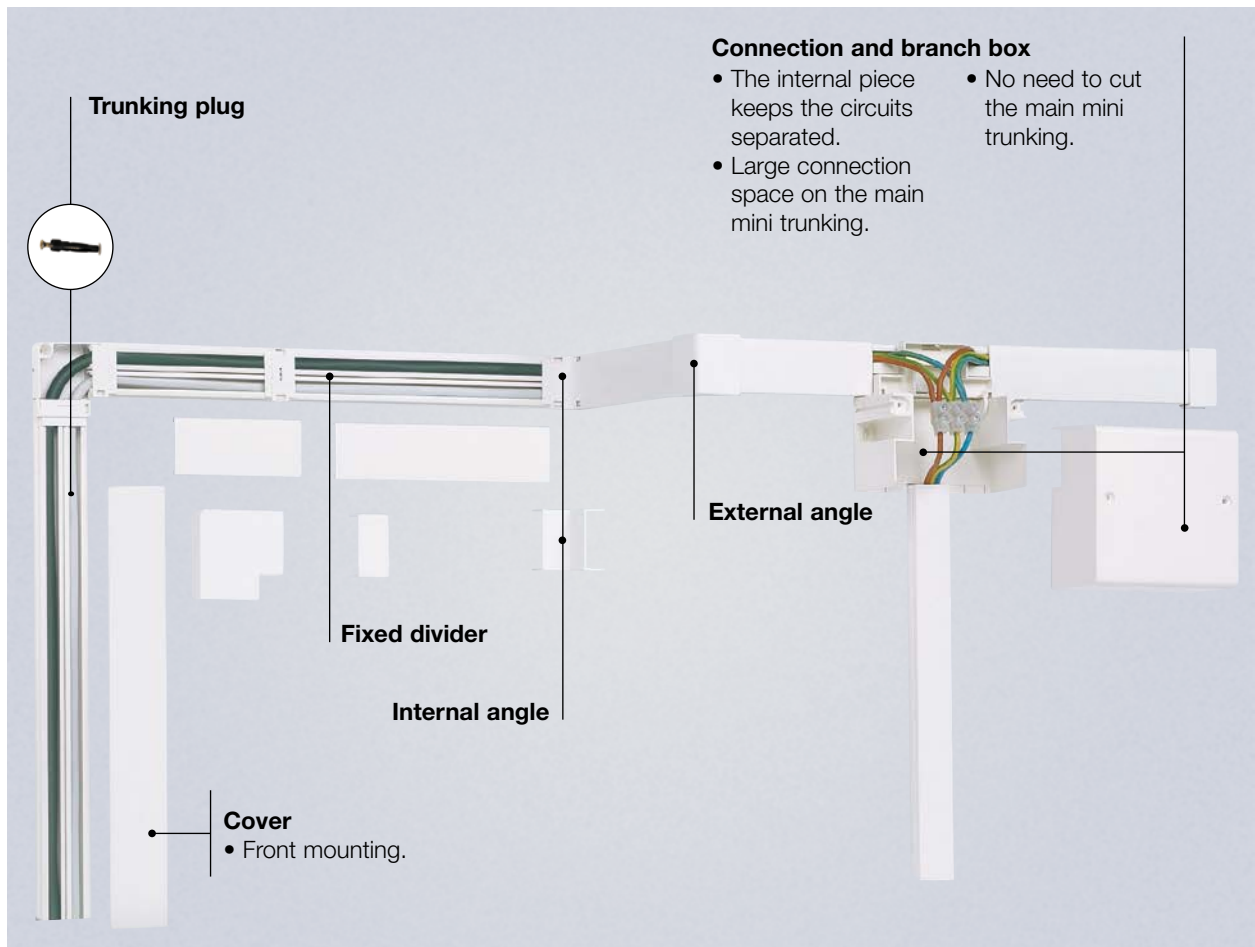
Hotel industry



Apartment building renovation

# Easy installation

## Mini trunking and fittings

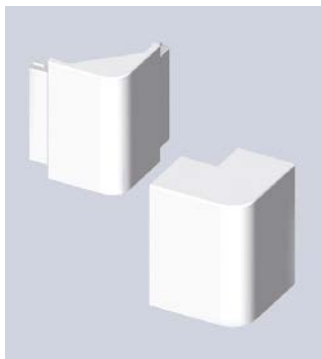


## Fittings in 2 pieces

### Internal angle



### External angle



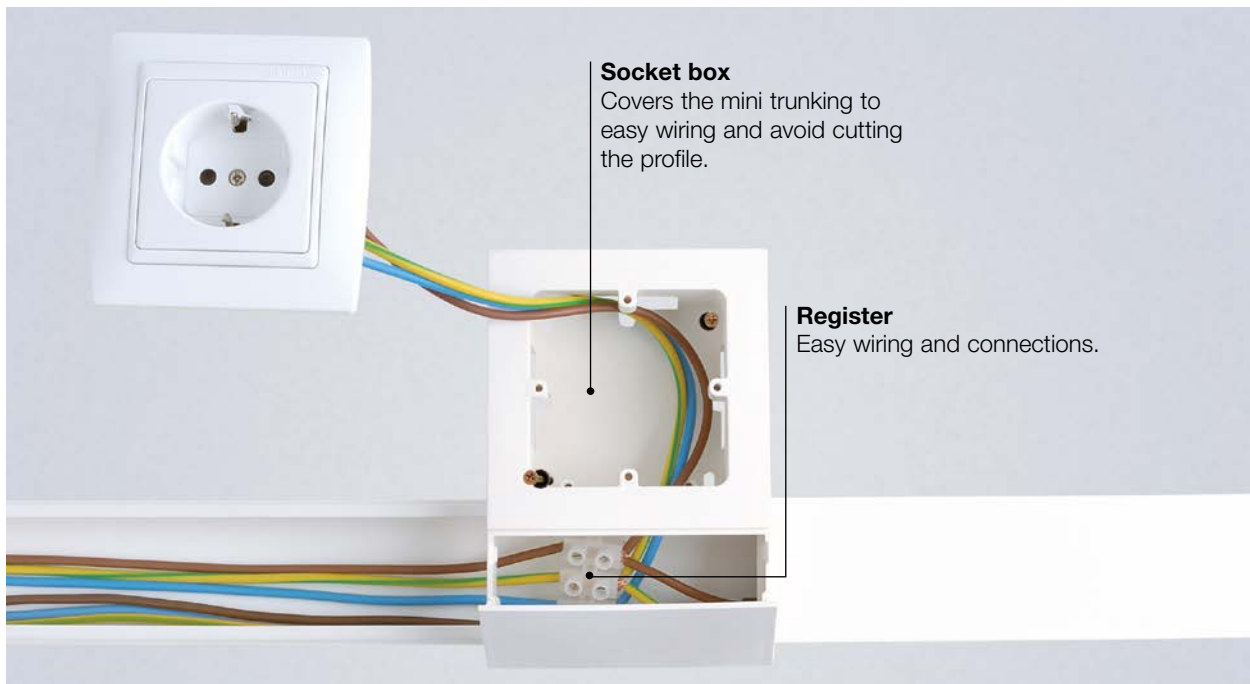
**The internal piece** allows easy measuring of the cover and holds the cables.

**The external piece** covers the cut marks of base and cover. It is not necessary to slide the cover. Assures protection degree IP4X.

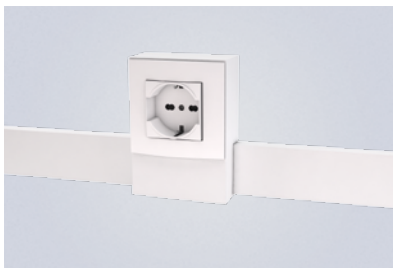


# Adapting switches and sockets

Mounting switches and sockets, using Unex boxes



Flexibility to combine a variety of switches and sockets



### Universal CEE-7

- Niessen\* Olas, Arco, Tacto, Zenit and Stylo.
- Jung\*.
- Simon\* 31, 75, 82, 88.
- Valena\*.
- Bticino\*.
- Eunea\*.
- Berker\*.



### Modular

- Simon\* 27.
- Mosaic\*.
- Simon Connect\* K 45.



### Universal

- Niessen Zenit\*.
- Bticino\*.
- Unica-Allegro (3 modules).
- Gewiss\*.



### Surface mounting

- Oteo\*.



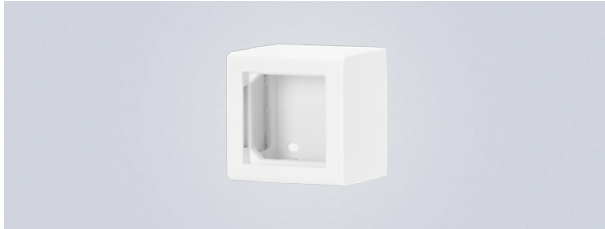
### Surface mounting

- Simon\* 73 Loft.

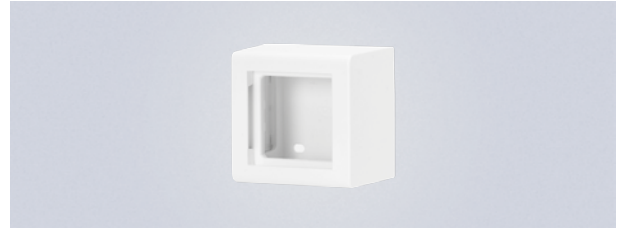
\*These brands belong to third parties, they are not related to Unex aparellaje eléctrico, S.L.

## Individual boxes 78

To mount modular outlets



Simon\* 27 box



Mosaico\* box

2 mounting possibilities: side or front

To combine boxes with Unex mini trunking system

**Side adaptation**



**Front adaptation**



## Modular boxes 85

Three sizes: 4, 6 or 8 outlets



4 outlets



6 outlets



8 outlets

2 mounting possibilities: side or front

To combine boxes with Unex mini trunking system

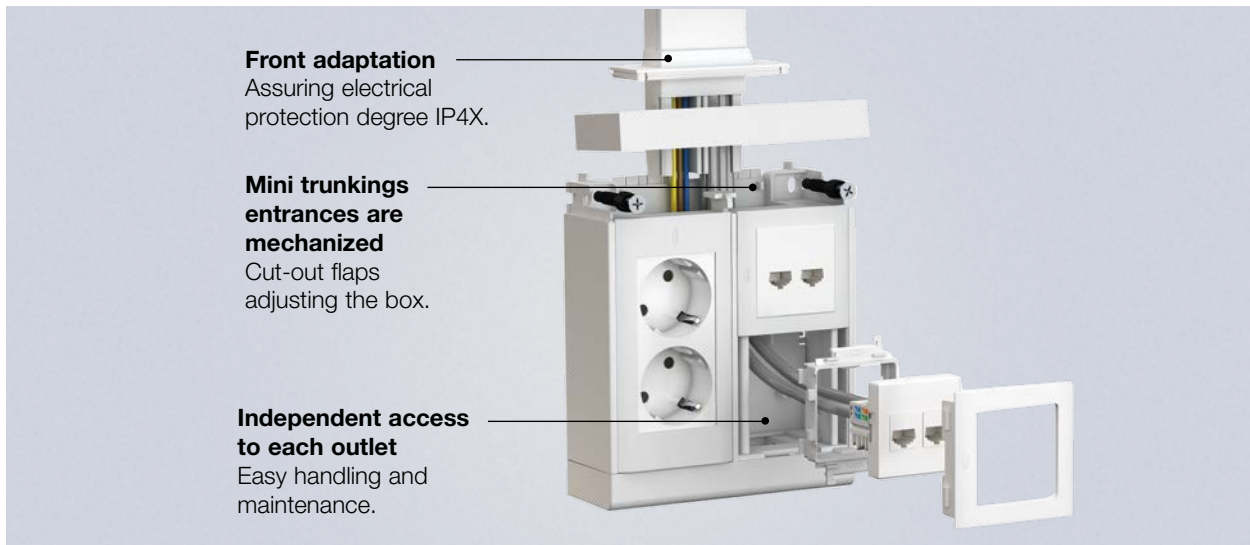
**Side adaptation**



**Front adaptation**



## Front adaptation to mini trunking



## Flexibility to combine a variety of switches and sockets for Modular box 85

- Customization according to the necessities of each user.
- Possibility to adapt and combine a large range of modular outlet on the market.

## Electrical outlets

### Modular



- Niessen Zenit\*.
- Simon\* 27.
- Simon Connect\* K45 and compatible.
- Mosaic\*.
- Eunea Unica\*
- BJC Sol\*.

### Modular double



- Mosaic\*.
- Simon Connect\* K45.
- Eunea Unica\*.
- Simon CIMA 500\*.

### DIN (Bipolar)



- MCB's (Miniature circuit breakers).
- RCD's (Residual current devices).

## Data connectors

### Flat plate 1 RJ45



- Compatible with:
- Systemax solutions.
  - Universal type Keystone.

### Flat plate 2 RJ45



- Compatible with:
- Systemax solutions.
  - Universal type Keystone.







### Angled plate 2 RJ45



- Compatible with:
- Universal type Keystone.

**Reduced stock of fittings:** Same system for mounting switches and sockets for: Trunking 93, Modular box 85, Service pole 50, Service post 50 and Furniture supply 51.






\* These brands belong to third parties, they are not related to Unex aparellaje eléctrico, S.L.

		Mini trunking sizes (mm)	7x12	10x16	10x22	10x30
		<p><b>White</b> RAL 9010 (Part no. 78xxx-2 and Part no. 78xxx-2A)</p> <p><b>Grey</b> RAL 7035 (Part no. 78xxx-04)</p>				
	<b>Mini trunking</b> 2 m		<b>78010-2</b>	<b>78021-2</b>	<b>78022-2</b>	<b>78023-2</b>
	<b>Self-adhesive mini trunking</b> 2 m		<b>78010-2A</b>	<b>78021-2A</b>	<b>78022-2A</b>	
	<b>Mini trunking with divider</b> 2 m					

### Fittings in **U24X**

	<b>Flat angle</b>			<b>78222-2</b>	<b>78223-2</b>
	<b>External angle</b>			<b>78272-2</b>	<b>78273-2</b>
	<b>Internal angle</b>			<b>78322-2</b>	<b>78323-2</b>
	<b>End cover</b>			<b>78372-2</b>	<b>78373-2</b>
	<b>Branch</b>			<b>78472-2</b>	<b>78473-2</b>
	<b>Joint cover piece</b>			<b>78522-2</b>	<b>78523-2</b>

### Connection and branch box in **U24X**

	70x70x27 mm		<b>78455-2</b>
	85x85x45 mm		<b>71451-2</b>
	110x110x45 mm		<b>78457-2</b>
	110x150x74 mm		<b>73461-2</b>
	<b>Connection and branch box</b> Note: screws are included.		<b>78503-2</b>

### Fixing elements in **U63X**

	<b>Trunking plug</b> Note: Use bit Ø4 mm.		<b>25104</b>
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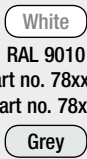




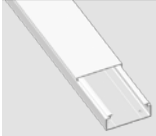



16x16	16x30	16x50	20x30	20x50	20x75
<b>78031-2</b> <b>78031-04</b>	<b>78033-2</b>		<b>78043-2</b> <b>78043-04</b>	<b>78045-2</b>	
<b>78031-2A</b>	<b>78033-2A</b>				
	<b>78083-2</b>	<b>78085-2</b>	<b>78093-2</b>	<b>78095-2</b>	<b>78147-2</b>



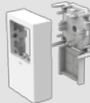

<b>78231-2</b> <b>78231-04</b>	<b>78233-2</b>	<b>78235-2</b>	<b>78243-2</b> <b>78243-04</b>	<b>78245-2</b>	<b>78247-2</b>
<b>78281-2</b> <b>78281-04</b>	<b>78283-2</b>	<b>78285-2</b>	<b>78293-2</b> <b>78293-04</b>	<b>78295-2</b>	<b>78297-2</b>
<b>78331-2</b> <b>78331-04</b>	<b>78333-2</b>	<b>78335-2</b>	<b>78343-2</b> <b>78343-04</b>	<b>78345-2</b>	<b>78347-2</b>
<b>78381-2</b> <b>78381-04</b>	<b>78383-2</b>	<b>78385-2</b>	<b>78393-2</b> <b>78393-04</b>	<b>78395-2</b>	<b>78397-2</b>
<b>78481-2</b>	<b>78483-2</b>	<b>78485-2</b>	<b>78493-2</b>	<b>78495-2</b>	<b>78497-2</b>
<b>78531-2</b> <b>78531-04</b>	<b>78533-2</b>	<b>78535-2</b>	<b>78543-2</b> <b>78543-04</b>	<b>78545-2</b>	<b>78547-2</b>

<b>78455-2</b>					
<b>71451-2</b>					
<b>78457-2</b> <b>78457-04</b>	<b>78457-2</b>		<b>78457-2</b> <b>78457-04</b>	<b>78457-2</b>	
<b>73461-2</b> <b>73461-04</b>	<b>73461-2</b>		<b>73461-2</b> <b>73461-04</b>	<b>73461-2</b>	
<b>78503-2</b>		<b>78507-2</b>	<b>78503-2</b>	<b>78507-2</b>	

<b>25104</b>
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Mini trunking sizes (mm)		7x12	10x16	10x22	10x30
	<p><b>White</b> RAL 9010 (Part no. 78xxx-2 and Part no. 78xxx-2A)</p> <p><b>Grey</b> RAL 7035 (Part no. 78xxx-04)</p>				
	<p><b>Mini trunking</b> 2 m</p> <hr/> <p><b>Self-adhesive mini trunking</b> 2 m</p>	<b>78010-2</b>	<b>78021-2</b>	<b>78022-2</b>	<b>78023-2</b>
	<b>Mini trunking with divider</b> 2 m				

### Adapters for switches and sockets in **U24X**

	<b>Adapter for 1 universal outlet</b>			<b>78740-2</b>
	<b>Adapter for 2 universal outlets</b>			<b>78741-2</b>
	<b>Adapter for 1 Simon* 73 loft</b>			<b>78860-2</b>
	<b>Adapter for 1 Oteo* outlet</b>			<b>78870-2</b>

\* These brands belong to third parties, they are not related to Unex aparellaje eléctrico, S.L.













	16x16	16x30	16x50	20x30	20x50	20x75
	<b>78031-2</b> <b>78031-04</b>	<b>78033-2</b>		<b>78043-2</b> <b>78043-04</b>	<b>78045-2</b>	
	<b>78031-2A</b>	<b>78033-2A</b>				
		<b>78083-2</b>	<b>78085-2</b>	<b>78093-2</b>	<b>78095-2</b>	<b>78147-2</b>





<b>78740-2</b>					
<b>78741-2</b>					
<b>78860-2</b>	<b>78862-2</b>	<b>78860-2</b>	<b>78862-2</b>		
<b>78880-2</b>			<b>78890-2</b>		

See next page

Mounting of surface boxes in **U24X**

		Mini trunking sizes (mm)								
		10x22	10x30	16x16	16x30	16x50	20x30	20x50	20x75	
	Mini trunking without divider (1 compartment)	<b>78022-2</b> <b>78022-2A</b>	<b>78023-2</b>	<b>78031-2</b> <b>78031-2A</b>	<b>78033-2</b> <b>78033-2A</b>		<b>78043-2</b>	<b>78045-2</b>		
	Mini trunking with 1 divider (2 compartments)				<b>78083-2</b>	<b>78085-2</b>	<b>78093-2</b>	<b>78095-2</b>		
	Mini trunking with 2 dividers (3 compartments)								<b>78147-2</b>	
	<b>Side adapter</b>	<b>78622-2</b>	<b>78623-2</b>	<b>78631-2</b>	<b>78633-2</b>	<b>78635-2</b>	<b>78643-2</b>	<b>78645-2</b>	<b>78647-2</b>	
	<b>Front adapter</b>	<b>78672-2</b>	<b>78673-2</b>	<b>78681-2</b>	<b>78683-2</b>		<b>78693-2</b>			
	<b>Simón* 27 box</b>	<b>78757-2</b>								
	<b>Mosaic* box</b>	<b>78756-2</b>								
	<b>Universal</b> Note: 2 screws and 1 cover part no. 7850-2 are included.	<b>78759-2</b>								
	<b>Modular box 4 outlets</b> Note: 4 Trunking plugs part no. 25106 included. <b>Adapters for switches and sockets</b>							<b>85023-2</b>		
		See table next page.								
	<b>Modular box 6 outlets</b> Note: 4 Trunking plugs part no. 25106 included. <b>Adapters for switches and sockets</b>							<b>85033-2</b>		
		See table next page.								
	<b>Modular box 8 outlets</b> Note: 4 Trunking plugs part no. 25106 included. <b>Adapters for switches and sockets</b>							<b>85043-2</b>		
		See table next page.								

Universal adaptation of the Flexible runway 51 in **U24X** (See Furniture supply 51)

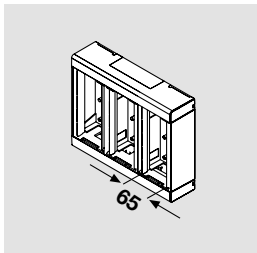
	<b>Universal adapter for Flexible runway 51</b>	<b>51630-2</b>								
	<b>Adapter for 1 Universal CEE-7 outlet</b>	<b>78740-2</b>								
	<b>Modular adapter for Flexible runway 51</b>	<b>51623-2</b>								
	<b>Modular box</b> 4 outlets	<b>85023-2</b>								
	Note: 4 Trunking plugs part no. 25106 included. 6 outlets	<b>85033-2</b>								
	8 outlets	<b>85043-2</b>								

Socket box cover in **U24X**

	<b>Socket box cover</b>	<b>78650-2</b>								
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\*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

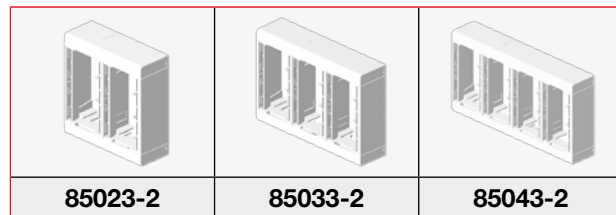
## Adapters for Modular boxes 85



4 outlets

6 outlets

8 outlets



### Single plate RJ45

	Flat 1RJ45	<b>93749-2</b> (1)
	Flat 2RJ45	<b>93751-2</b> (1)
	Angled 2RJ45	<b>93753-2</b> (2)

### Single adapter

	Niessen Zenit*	<b>93635-2</b> (3)
	BJC* Sol	<b>93663-2</b>
	Simon* 27	<b>93621-2</b>
	Simon Connect* K45	<b>93608-2</b> (4)
	Mosaic* and compatible	<b>93608-2</b>
	Eunea Unica*	<b>93653-2</b>

### Double adapter + |

	Simon CIMA 500*	<b>93640-2</b>
	Simon Connect* K45	<b>93613-2</b> (4)
	Mosaic* and compatible	<b>93613-2</b>
	Eunea Unica*	<b>93656-2</b>

### Adapter DIN

	<b>93648-2</b>
--	----------------

(1) Compatible with RJ45 Systemax solutions and Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.

(2) Compatible with RJ45 Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.

(3) The adapters for Niessen Zenit outlets are designed for horizontal mounting. Vertical mounting cases, outlets will be turned 90° from original position.

(4) Most of the switches and sockets of K type are compatible with this adapter. However, there are some part numbers (for example KB076, KB76, K130A, 2u. KA76, 2u. K302 + K115, etc.) that can only be mounted on the double plate 93613-2 in the central area, placing blind lids on the sides.


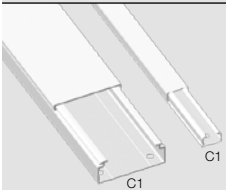








\*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

See next page


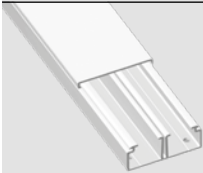








Useful cross-sections (mm<sup>2</sup>)

Recommended capacity with conductors H07V-K


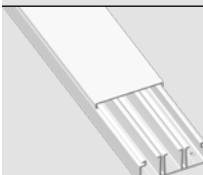



Sizes (mm) 7x12 10x16 10x22 10x30 16x16 16x30 16x50 20x30 20x50 20x75

Part no.	 RAL 9010 / RAL 7035	78010-2 78010-2A	78021-2 78021-2A	78022-2 78022-2A	78023-2	78031-2 78031-2A 78031-04	78033-2 78033-2A		78043-2 78043-04	78045-2	
		 46	 100	 143	 205	 150	 323		 437	 764	
Compartments		C1	C1	C1	C1	C1	C1		C1	C1	
Quantity of recommended conductors type H07V-K	1.5 mm <sup>2</sup>	2	4	6	9	6	14		18	32	
	2.5 mm <sup>2</sup>	1	3	4	6	4	9		12	21	
	4 mm <sup>2</sup>	1	2	3	4	3	7		9	17	
	6 mm <sup>2</sup>		1	2	3	2	4		5	10	

Sizes (mm) 7x12 10x16 10x22 10x30 16x16 16x30 16x50 20x30 20x50 20x75

Part no.	 RAL 9010								78083-2	78085-2	78093-2	78095-2	
									 136  136	 262  262	 184  184	 343  343	
Compartments									C1 C2	C1 C2	C1 C2	C1 C2	
Quantity of recommended conductors type H07V-K	1.5 mm <sup>2</sup>								6 6	11 11	8 8	14 14	
	2.5 mm <sup>2</sup>								4 4	7 7	5 5	9 9	
	4 mm <sup>2</sup>								3 3	6 6	4 4	7 7	
	6 mm <sup>2</sup>								2 2	3 3	2 2	4 4	

Sizes (mm) 7x12 10x16 10x22 10x30 16x16 16x30 16x50 20x30 20x50 20x75

Part no.	 RAL 9010												78147-2
													 337  345  337
Compartments													C1 C2 C3
Quantity of recommended conductors type H07V-K	1.5 mm <sup>2</sup>												14 15 14
	2.5 mm <sup>2</sup>												9 10 9
	4 mm <sup>2</sup>												7 8 7
	6 mm <sup>2</sup>												4 4 4





Cable conduction  
system with possibility  
of mounting switches  
and sockets

# Skirting board duct 80

raw material

**U23X**

colour

Aluminium

White



## For distribution of power and data services and mounting of outlets through skirting boards in housing and buildings

- Allows you to lay out all services in housing and public buildings by taking the place of a conventional skirting board.
- Compact and plain trunking, with adjusted sizes, to perfectly merge into the surroundings.
- **Can be painted.**

### Raw material




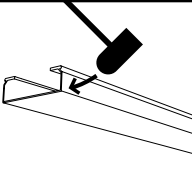
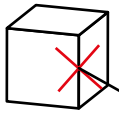

Skirting board duct

Fittings and adapters

Compliant



### Technical characteristics

Electrical	Mechanical	Protection degree	In front of fire
			
<b>EN 50085-2-1*</b>	<b>EN 50085-2-1*</b>	<b>EN 50085-2-1*</b>	
Insulating material. <hr/> No earthing required.	IK07.	IP4X, mounted on the wall.	Glow-wire test at 960°C. <hr/> Non flame propagating. <hr/> Reaction to fire, Class M1 acc./UNE 201010.

\* BS EN 50085-2-1 is the UK implementation of EN 50085-2-1.





Length

**2 m**

Colour

**Aluminium**

**RAL 9006**

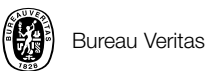
**White**

**RAL 9010**

## Quality marks



## Approvals



Bureau Veritas



Φ3 от 22.07.08 N 123-Φ3  
ГОСТ P 53313-2009

See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)

## Conformity declaration





Work spaces: office



Health care: waiting room



Apartment building renovation



Apartment building renovation



Public housing



# Skirting board duct 80: a smart alternative to conventional skirting boards

The skirting board duct optimises the space dedicated to conventional decorative skirting boards by accommodating cables and feeding switches and sockets from the different spaces in the building, commercial premises, hotels, and small offices.

## Residential building

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The installation of the Skirting board duct 80 is surface-mounted, it is not an additional constructive element. Also, it simplifies the execution of the installations, allowing the modification and extension of the services according to the user's needs.

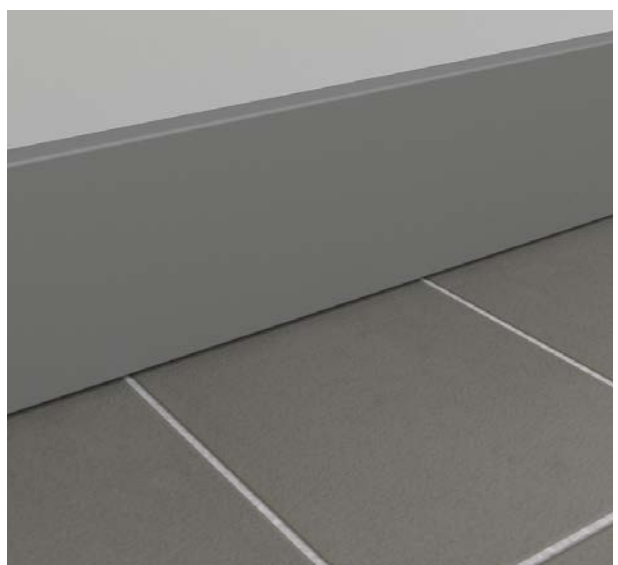
## Office building

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## Integration in the environment

The Skirting board duct 80 achieves homogeneous finishings, with no visible junction lines between base and cover. It can be combined with any type of floor.





# Useful cross-sections (mm<sup>2</sup>)

The Skirting board duct 80 allows you a simultaneous lay out of all necessary wiring.



- Power
- Twisted pairs
- Coaxial cables
- RTV

## Recommended capacity

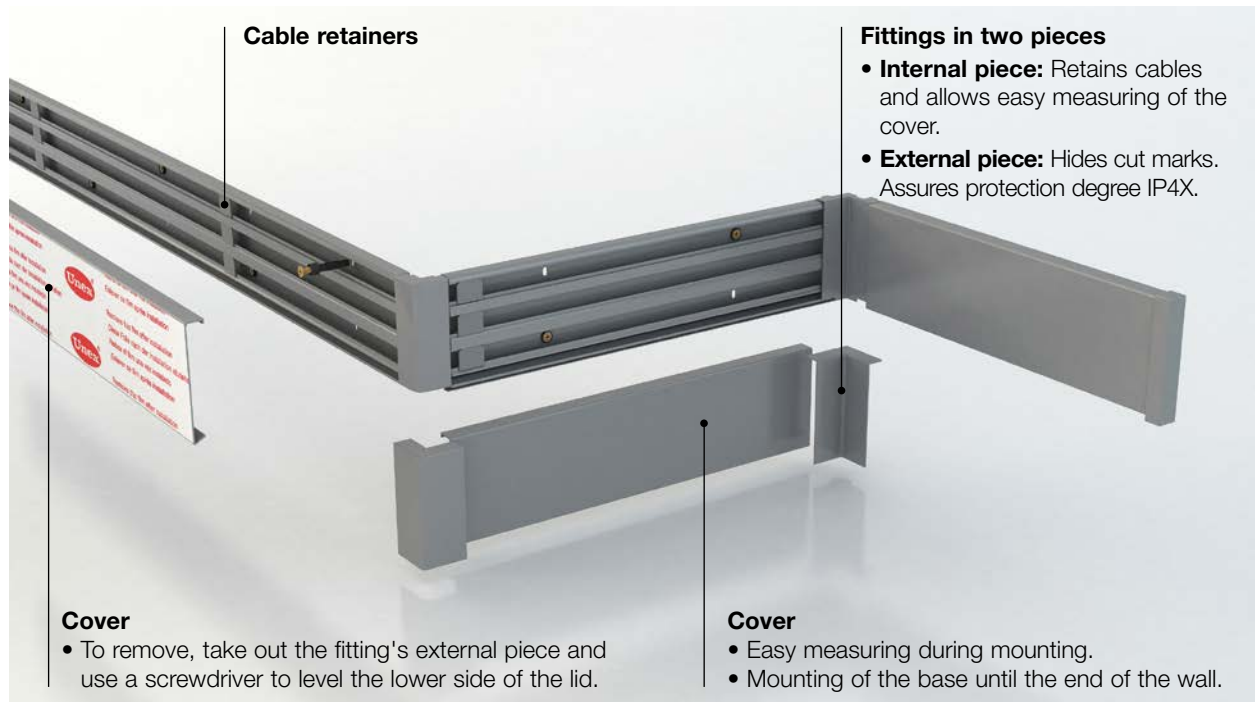
Types of cables		Ø (mm)	Skirting board duct 80 C1 (mm <sup>2</sup> )	Skirting board duct 80 C2 (mm <sup>2</sup> )	Skirting board duct 80 C3 (mm <sup>2</sup> )	Skirting board duct 80 C4 (mm <sup>2</sup> )
			331	302	228	86
Power	H07V-K 1.5 mm <sup>2</sup>	3.5	14	13	10	
	H07V-K 2.5 mm <sup>2</sup>	4.2	9	8	6	
	H07V-K 4 mm <sup>2</sup>	4.8	7	7	5	
	H07V-K 6 mm <sup>2</sup>	6.3	4	4	3	
Twisted pairs	U/UTP 4P (Cat 6)	5.4	6	5	4	1
	F/UTP 4P (Cat 6)	6.6	4	3	2	1
	F/FTP 4P (Cat 6)	7.6	3	2	2	0
	U/UTP 4P (Cat 6A)	8.5	2	2	1	0
Coaxial cable, RTV	RG-6	7.0	3	3	2	0
	RG-11	7.0	3	3	2	0
	RG-59	7.0	3	3	2	0

Twisted pairs Coefficient = 1.82

Coaxial cable Coefficient = 2

To comply with the regulations, no power cables are to be installed in the lower compartment, thus ensuring safety distance from the floor, 1.5 cm.

## Mounting profile and fittings



Floor-standing mounting due to the design of the profile, the covers and finishing elements.



Complete system of fittings providing electrical safety (IP4X degree) and attractive finishings.  
Available in white RAL 9010 and aluminium colour RAL 9006.



External angle



Internal angle



Coupler



End cover

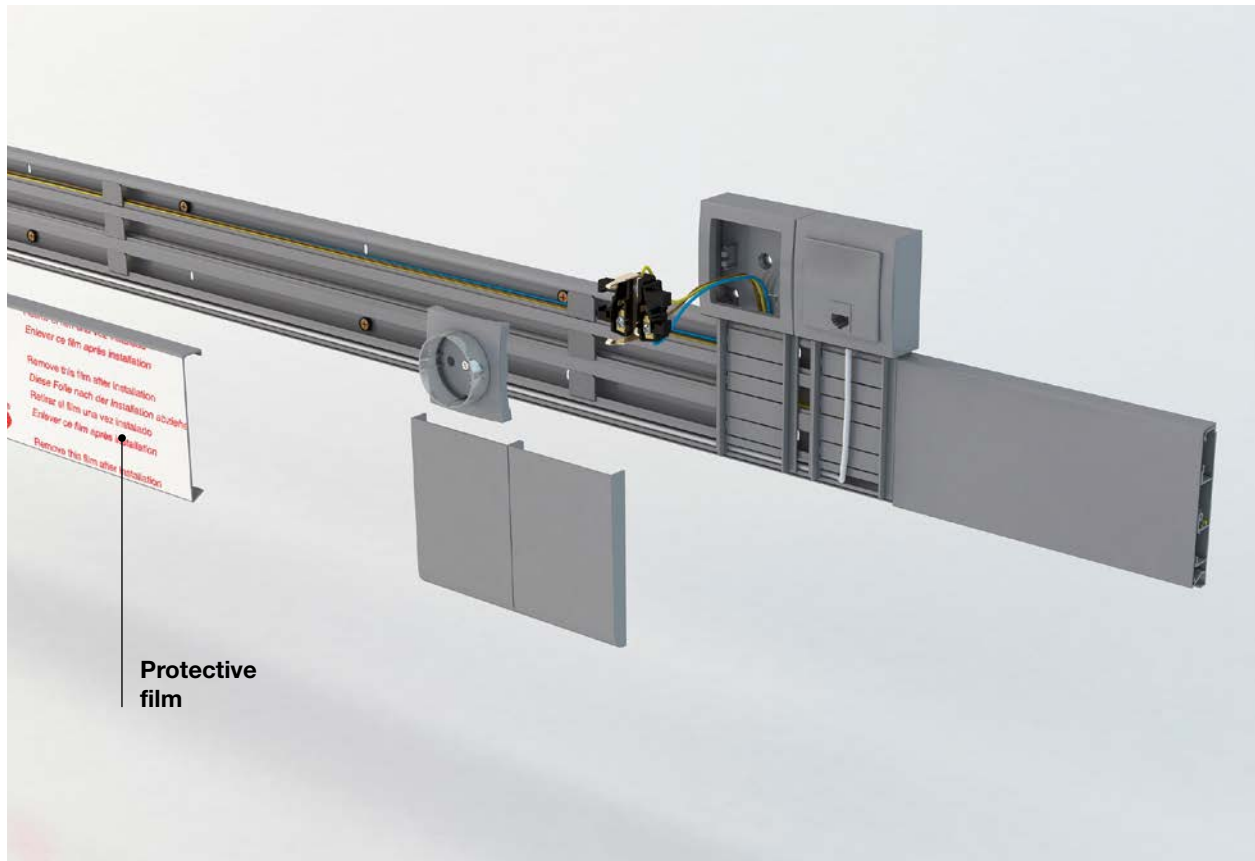


Mini trunking branching

# Easy mounting

## Switches and sockets

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## Adapters of switches and sockets:

---

### Internal piece:

- Allows easy measuring of the cover.
- Permits cable branching, keeping circuit separation.



# Free choice and combination of switches and sockets

## Adapters for the most common switches and sockets

---

Switches and sockets are mounted outside the trunking by means of matching adapters.



Universal CEE-7



Universal CEE-7



Simon\* 73 Loft outlet



Simon\* 73 Loft outlet



Oteo\* outlet



Oteo\* outlet



Mosaic\* outlet



Simon\* 27 outlet

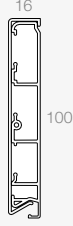
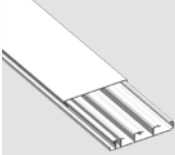
\*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

# 80 **U23X**






## Skirting board duct

Skirting board duct sizes (mm)

16x100

	<p>White RAL 9010 (Part no. 80xxx-2)</p>	
	<p><b>Skirting board duct</b> 2 m</p>	<p><b>80034-2</b></p>






### Fittings in **U24X**

	<p><b>External angle</b></p>	<p><b>80284-2</b></p>
	<p><b>Internal angle</b></p>	<p><b>80334-2</b></p>
	<p><b>End cover</b></p>	<p><b>80384-2</b></p>
	<p><b>Joint cover piece</b></p>	<p><b>80534-2</b></p>
	<p><b>Branch to mini trunking</b></p>	<p><b>80434-2</b></p>


### Fixing elements in **U63X**

	<p><b>Trunking plug</b> Note: Use bit Ø4 mm.</p>	<p><b>25104</b></p>
---	--	---------------------

### Adaptation of switches and sockets in **U24X**

	<p><b>Adapter for 1 Universal (CEE) outlet</b></p>	<p><b>80700-2</b></p>
	<p><b>Adapter for 1 outlet Simon* 73 Loft</b></p>	<p><b>80882-2</b></p>
	<p><b>Adapter for 1 outlet Simon* 27</b></p>	<p><b>80704-2</b></p>
	<p><b>Adapter for 1 outlet Oteo*</b></p>	<p><b>80880-2</b></p>
	<p><b>Adapter for 1 outlet Mosaic*</b></p>	<p><b>80702-2</b></p>

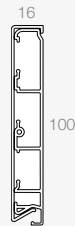
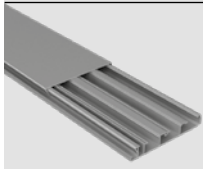
\*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

See next page 








Skirting board duct sizes (mm)

16x100

	<p>Aluminium RAL 9006 (Part no. 80xxx-03)</p>	
	<p><b>Skirting board duct</b> 2 m</p>	<p><b>80034-03</b></p>






Fittings in **U24X**

	<p><b>External angle</b></p>	<p><b>80284-03</b></p>
	<p><b>Internal angle</b></p>	<p><b>80334-03</b></p>
	<p><b>End cover</b></p>	<p><b>80384-03</b></p>
	<p><b>Joint cover piece</b></p>	<p><b>80534-03</b></p>
	<p><b>Branch to mini trunking</b></p>	<p><b>80434-03</b></p>

Fixing elements in **U63X**

	<p><b>Trunking plug</b> Note: Use bit Ø4 mm.</p>	<p><b>25104</b></p>
---	--	---------------------

Adaptation of switches and sockets in **U24X**

	<p><b>Adapter for 1 Universal (CEE) outlet</b></p>	<p><b>80700-03</b></p>
	<p><b>Adapter for 1 outlet Simon* 73 Loft</b></p>	<p><b>80882-03</b></p>
	<p><b>Adapter for 1 outlet Oteo*</b></p>	<p><b>80880-03</b></p>

\*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.





Power supply  
system for  
work spaces

# Service pole

# 50

raw material

**ALUMINIUM**

colour

Aluminium

**Grey**

## For supply of work spaces from the ceiling in open-plan rooms

- Slender structures providing the minimum necessary diameter for wiring, easily adaptable to the space distribution and to any relocation.
- Minimalist and modern design.
- Solid aluminium structure and rigid fixing system.


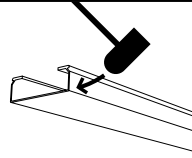
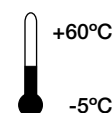
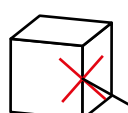

## Raw material

ALUMINIUM Service pole

**U24X** Service pole socket box

Compliant 

## Technical characteristics

Electrical	Mechanical	Temperature	Protection degree	In front of fire
 <p>EN 50085-2-4*</p> <p>Non insulating material, except for the service pole's modules.</p>	 <p>EN 50085-2-4*</p> <p>IK07.</p>	 <p>EN 50085-2-4*</p>	 <p>EN 50085-2-4*</p> <p>IP4X.</p>	 <p>EN 50085-2-4*</p> <p>Glow-wire test 960°C. Non flame propagating.</p>

\* BS EN 50085-2-4 is the UK implementation of EN 50085-2-4.



Colour

Aluminium

Anodized  
RAL 9006

Grey

RAL 7035

Quality marks



Conformity declaration



See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)



Work spaces: office



Work spaces: office



Work spaces: office





School



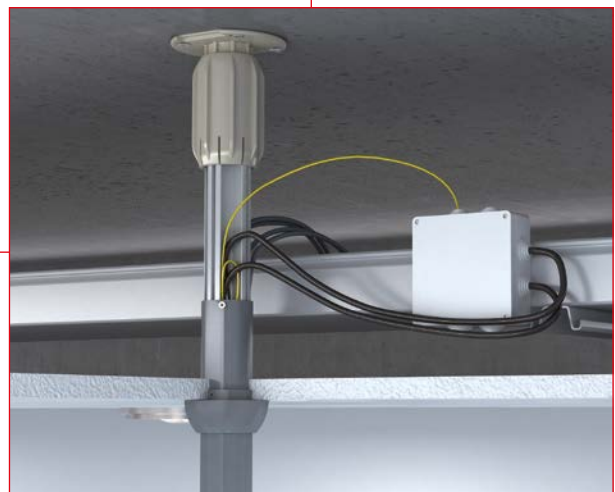
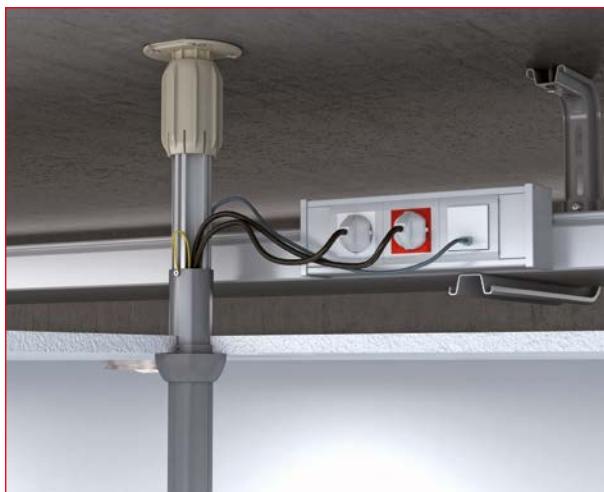
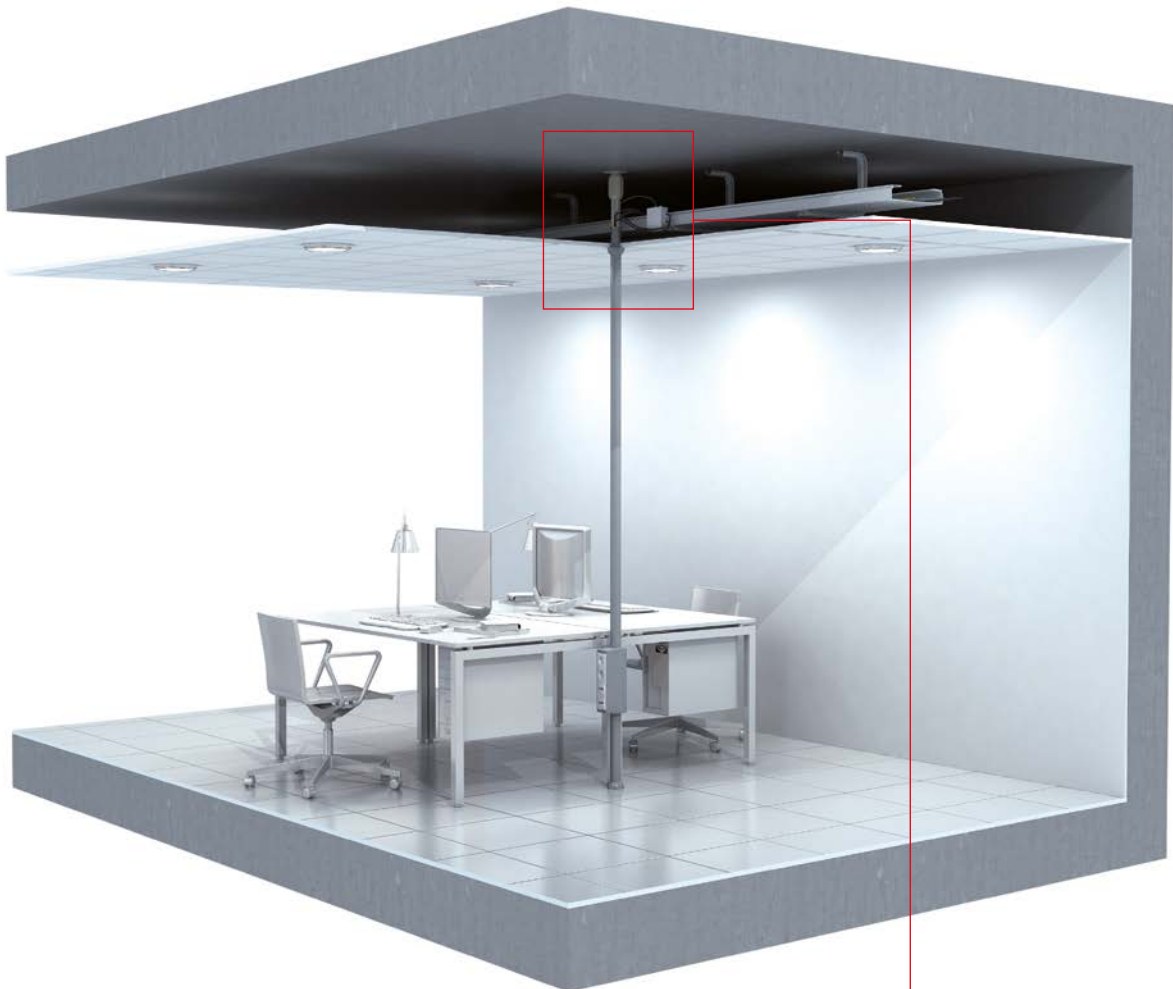
Health care



Health care

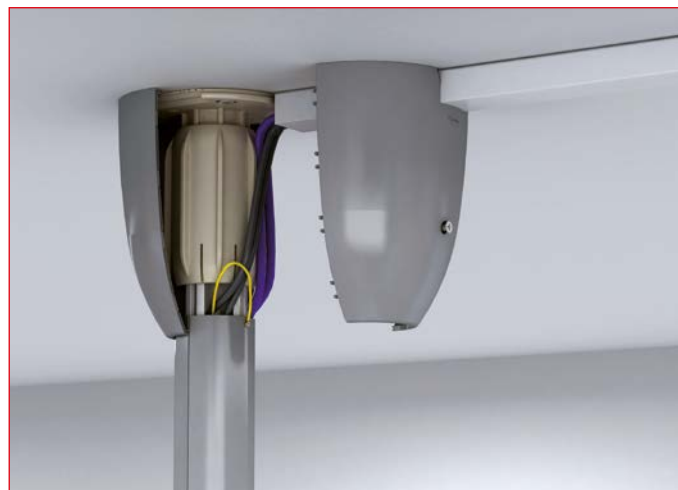
# Supply options

From suspended ceiling



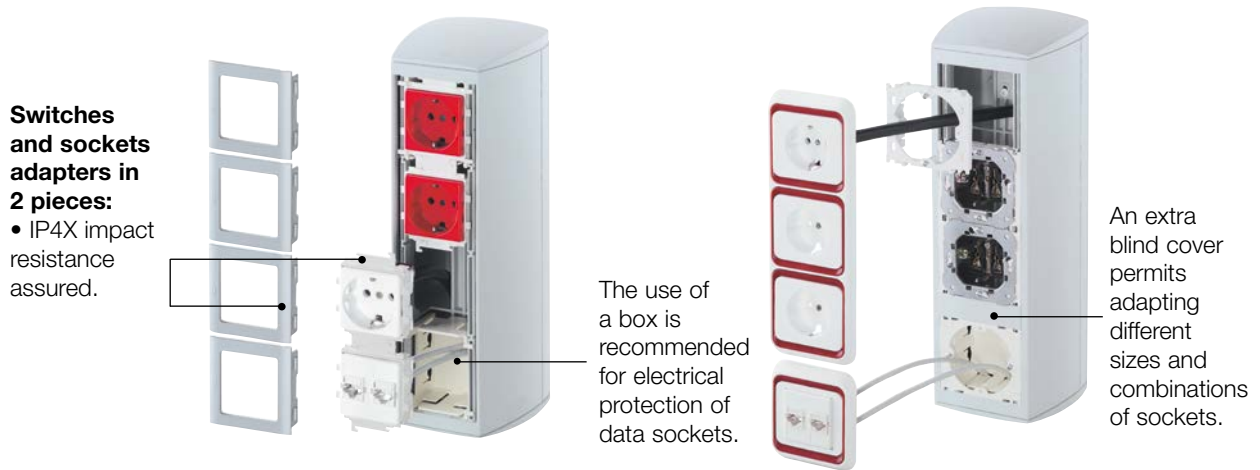
# From the ceiling

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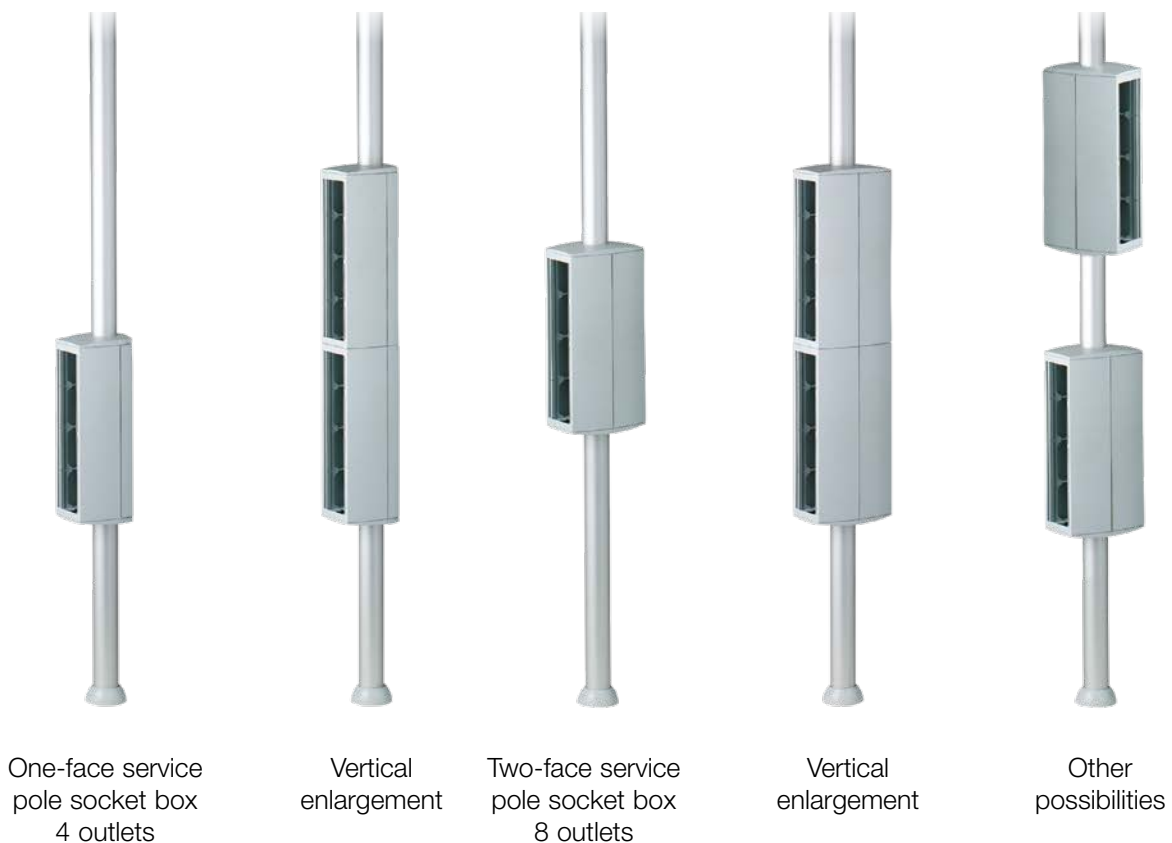


# Mounting of switches and sockets

Easy installation of switches and sockets



A system adapted to each work space



Socket boxes can be extended according to the requirements, resulting in a flexible installation, with easy maintenance and adaptable to future modifications in the composition and location of work spaces. Maximum recommended configuration: 2 double modules.



# Flexibility to combine a variety of switches and sockets

## Electrical outlets

### Universal CEE-7 (1)



- Niessen\* Olas, Arco, Tacto, Zenit and Stylo.
- BJC\*.
- Jung\*.
- Simon\* 31, 75, 88, 82.
- Mosaic\*.
- Valena\*.
- Bticino\*.
- Eunea\*.
- Berker\*.
- Gewiss\*.

### Industrial socket box



- Mennekes\*.
- ABL\*.
- Simon\*.

### Modular



- Niessen Zenit\*.
- Simon\* 27.
- Simon Connect\* K45 and compatible.
- Mosaic\*.
- Eunea Unica\*.
- BJC Sol\*.

### Modular double



- Mosaic\*.
- Simon Connect\* K45 "linkable".
- Eunea Unica\*.
- Simon CIMA 500\*.

### Modular triple



- Simon Connect\* K45 "linkable".
- Mosaic\*.

### Universal



- Niessen\* Zenit.
- Bticino\*.
- Unica-Allegro\* (3 modules).
- Gewiss\*.

### DIN (Bipolar)



- MCB's (Miniature circuit breakers).
- RCD's (Residual current devices).

## Data connectors

### Flat plate 1 RJ45



- Compatible with:
- Systemax solutions.
  - Universal type Keystone.

### Flat plate 2 RJ45



- Compatible with:
- Systemax solutions.
  - Universal type Keystone.

### Angled plate 2 RJ45



- Compatible with:
- Universal type Keystone.

## Mounting of 5 modular outlets in a socket box 80 mm



1 triple adapter +  
2 single adapters



1 triple adapter +  
1 double adapter

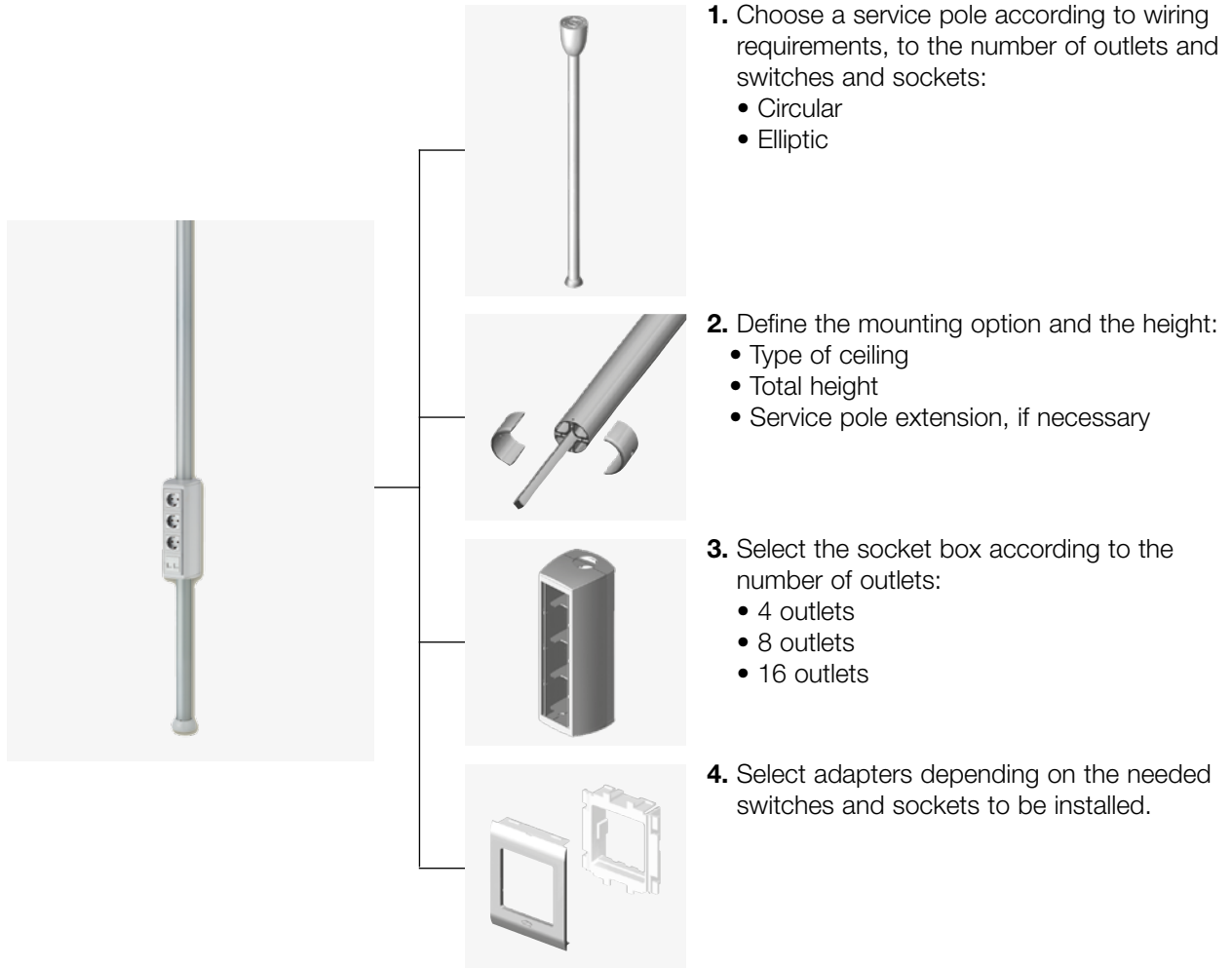
**Reduced stock of fittings.** Same system for mounting switches and sockets for: Trunking 93, Modular box 85, Service pole 50, Service post 50 and Furniture supply 51.

(1) It is not possible to mount 4 single universal frames. Admits combinations of 1 + 3, 2 + 2 and 4 elements.

\* These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

# Selecting a service pole in 4 steps:

Simple process in selecting a service pole.



## 1. Choose a service pole according to wiring requirements: different cross-sections

Service pole cross-section  
(4 compartments  
each pole)

Data cables  
(capacity in each compartment)

Power cables  
(capacity in each compartment)

<p><b>Service pole 50 mm.</b></p>	<p>○ 4 cables UTP 4 pairs. Maximum Ø5.1 mm.</p>	<p>⊗ 1 cable U1000 R2V 3x2.5 mm<sup>2</sup>. Maximum Ø13 mm.</p>
<p><b>Service pole 50x88 mm.</b></p>	<p>○ 8 cables STP 4 pairs. Maximum Ø7.4 mm. or ○ 14 cables UTP 4 pairs. Maximum Ø5.1 mm.</p>	<p>⊗ 4 cables U1000 R2V 3x2.5 mm<sup>2</sup>. Maximum Ø10 mm. or ⊗ 2 cables U1000 R2V 3x2.5 mm<sup>2</sup>. Maximum Ø13 mm.</p>



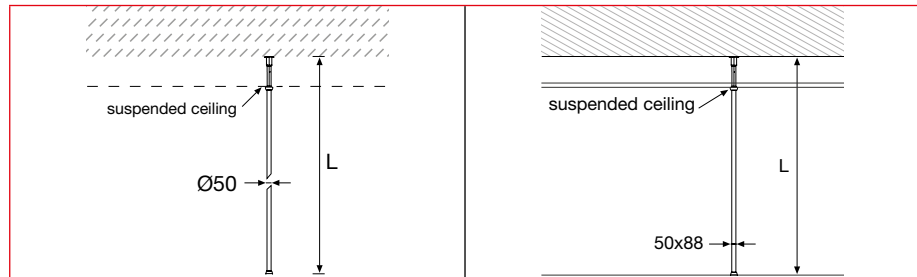
## 2. Define the mounting option and the height

Determine whether the mounting is from ceiling or suspended ceiling, and measure the total height in order to add, if necessary, a service pole extension.

Service pole 50 mm.  
for suspended ceiling



Service pole 50x88 mm.  
for suspended ceiling



<b>Service pole part no.</b>	50003	50043
<b>Max. Length (L)</b>	3.10 m	3.14 m
<b>Extension part no.</b>	50094	50097
<b>Max. Length (L) service pole + extension</b>	4.10 m	4.14 m

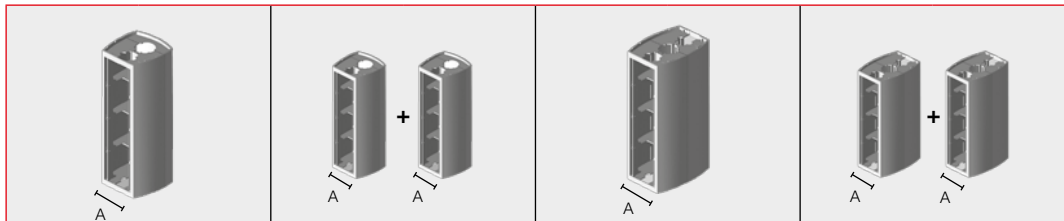
## 3. Select the socket box according to the number of outlets

Socket box 4  
outlets

Socket box 4+4  
outlets

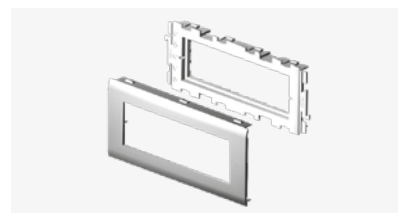
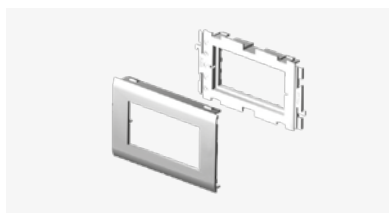
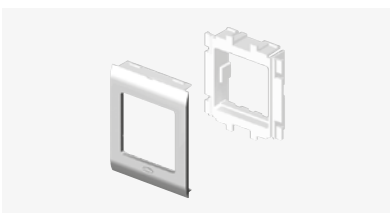
Socket box 8  
outlets

Socket box 8+8  
outlets

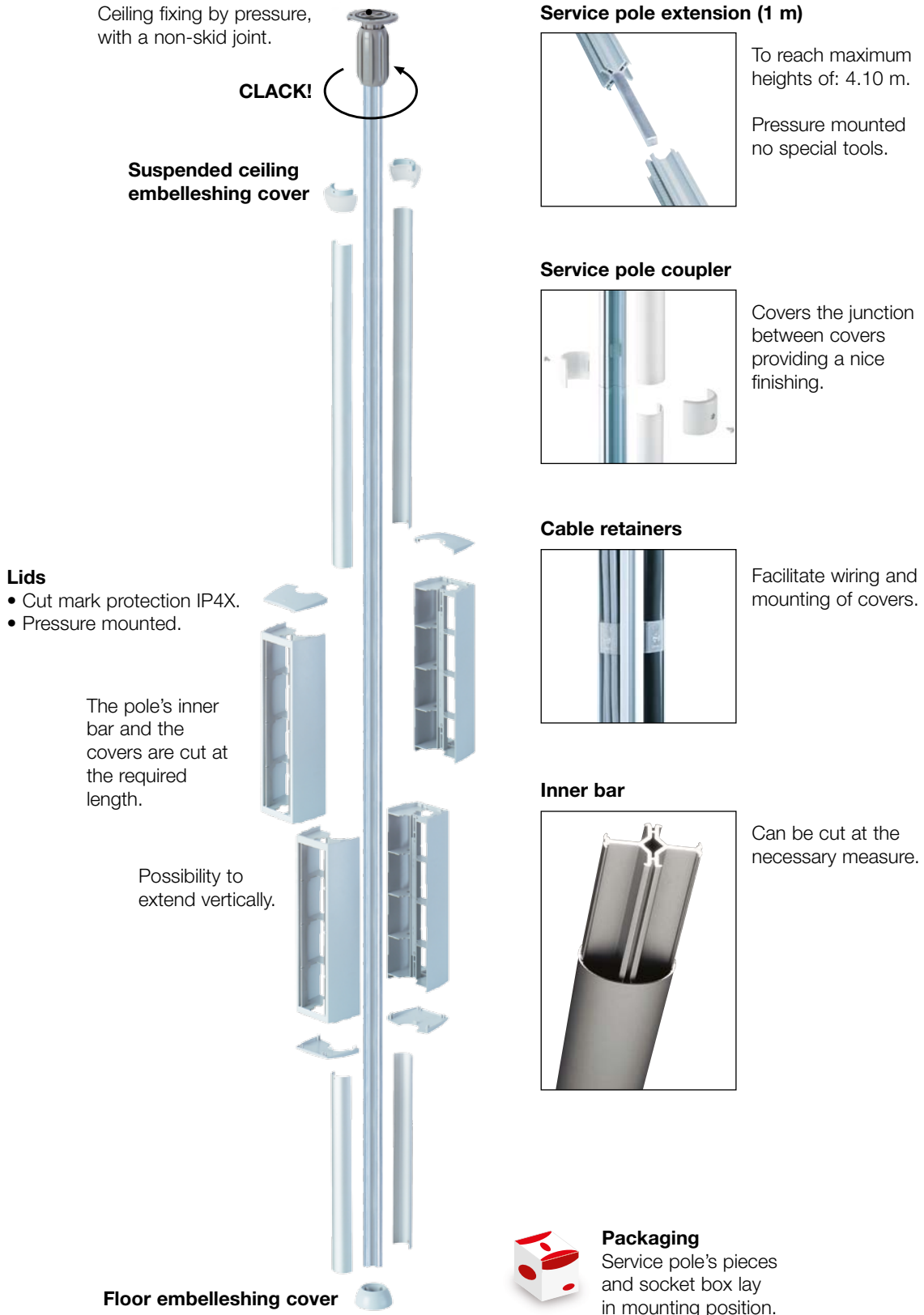


Outlets width (mm)	A	Socket box 4 outlets		Socket box 4+4 outlets		Socket box 8 outlets		Socket box 8+8 outlets	
		65	80	65	80	65	80	65	80
		50123	50124	50123 +	50124 +	50223	50224	50223 +	50224 +
			50144		50144 +		50244		50244 +

## 4. Select adapters according to switches and sockets (see pages 188-189)



# Easy and comfortable mounting



# Service pole 50 in aluminium

Service pole sizes (mm)		50 mm.	50x88 mm.
	<p>Aluminium RAL 9006</p>		
	<p><b>Suspended ceiling service pole</b>                      Maximum length = 3.10 m part no. 50003                      Maximum length = 3.14 m part no. 50043                      To install with a suspended ceiling</p>	<b>50003</b>	<b>50043</b>
	<p><b>Service pole extension</b>                      L = 1 m                      For supplementary extension                      of the service pole</p>	<b>50094</b>	<b>50097</b>



# Service pole socket boxes in **U24X**

Service pole sizes (mm)		50 mm.	50x88 mm.
	<p>Grey RAL 7035</p>		
	Switches and sockets width (mm)	65	80
	<p><b>Service pole socket box 4 outlets</b></p>	<b>50123</b>	<b>50124</b>
	<p><b>Service pole socket box 8 outlets</b></p>	<b>50223</b>	<b>50224</b>
	<p><b>To mount switches and sockets</b></p>	See table of adapters, according to the size of the cover. (See pages 188-189).	





See next page

### Adapters for the service pole's socket boxes 65 mm. width


White  
RAL 9010  
(Part no. 93xxx-2)

Aluminium  
RAL 9006  
(Part no. 93xxx-03)

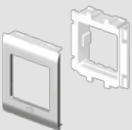
Socket box 4 outlets    Socket box 4+4 outlets    Socket box 8 outlets    Socket box 8+8 outlets

			
<b>50123</b>	<b>50123 + 50123</b>	<b>50223</b>	<b>50223 + 50223</b>

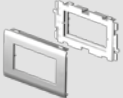
#### Single plate RJ45

	Flat 1RJ45	<b>93749-2</b> (1)	<b>93749-03</b> (1)
	Flat 2RJ45	<b>93751-2</b> (1)	<b>93751-03</b> (1)
	Angled 2RJ45	<b>93753-2</b> (2)	<b>93753-03</b> (2)

#### Single adapter

	Niessen Zenit*	<b>93635-2</b> (3)	<b>93635-03</b> (3)
	BJC* Sol	<b>93663-2</b>	<b>93663-03</b>
	Simon* 27	<b>93621-2</b>	<b>93621-03</b>
	Simon Connect* K45	<b>93608-2</b> (4)	<b>93608-03</b> (4)
	Mosaic* and compatible	<b>93608-2</b>	<b>93608-03</b>
	Eunea Unica*	<b>93653-2</b>	<b>93653-03</b>


#### Double adapter + |

	Simon Connect* K45	<b>93613-2</b> (4)	<b>93613-03</b> (4)
	Mosaic* and compatible	<b>93613-2</b>	<b>93613-03</b>
	Eunea Unica*	<b>93656-2</b>	<b>93656-03</b>
	Simon CIMA 500*	<b>93640-2</b>	<b>93640-03</b>

#### Adapter DIN (5)

		<b>93648-2</b>	<b>93648-03</b>
---	--	----------------	-----------------

#### Socket boxes (6) Single adapter Double adapter

		<b>93713</b>	<b>93718</b>
---	--	--------------	--------------

(1) Compatible with RJ45 Systimax solutions and Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.

(2) Compatible with RJ45 Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.


(3) The adapters for Niessen Zenit outlets are designed for horizontal mounting. In vertical mounting cases, outlets will rotate 90° degrees from their original position.

(4) Most of the switches and sockets of K type are compatible with this adapter. However, there are some part numbers (for example KB076, KB76, K103A, 2u. KA76, 2u. K302 + K115, etc.) that can only be mounted on the double plate 93613-2/93613-03 in the central area, placing blind lids on the sides.

(5) For electrical outlets DIN, the box 93718 is necessary to fix the outlet to the service pole.

(6) The use of the box is necessary to assure the separation of circuits.

\*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

See next page 

## Adapters for the service pole's socket boxes 80 mm. width

<div style="border: 1px solid black; border-radius: 10px; padding: 5px; display: inline-block; margin-bottom: 5px;">White</div> <b>RAL 9010</b> (Part no. 93xxx-2)	Socket box 4 outlets	Socket box 4+4 outlets	Socket box 8 outlets	Socket box 8+8 outlets
	 <b>50124 50144</b>	 <b>50124 + 50124</b> <b>50144 + 50144</b>	 <b>50224 50244</b>	 <b>50224 + 50224</b> <b>50244 + 50244</b>



### Universal single adapter (1)

	Universal CEE-7	<b>93604</b>
	Universal outlet box	<b>93709</b>

### Single industrial outlet box (2)

	<b>93708</b>
--	--------------

### Single plate RJ45

	Flat 1RJ45	<b>93750-2</b> (3)	<b>93750-03</b> (3)
	Flat 2RJ45	<b>93752-2</b> (3)	<b>93752-03</b> (3)
	Angled 2RJ45	<b>93754-2</b> (4)	<b>93754-03</b> (4)

### Single adapter

	Niessen Zenit*	<b>93636-2</b> (5)	<b>93636-03</b> (5)
	BJC* Sol	<b>93664-2</b>	<b>93664-03</b>
	Simon* 27	<b>93622-2</b>	<b>93622-03</b>
	Simon Connect* K45	<b>93609-2</b> (6)	<b>93609-03</b> (6)
	Mosaic* and compatible	<b>93609-2</b>	<b>93609-03</b>
	Eunea Unica*	<b>93654-2</b>	<b>93654-03</b>

### Double adapter |

	Simon CIMA 500*	<b>93641-2</b>	<b>93641-03</b>
	Simon Connect* K45	<b>93614-2</b> (6)	<b>93614-03</b> (6)
	Mosaic* and compatible	<b>93614-2</b>	<b>93614-03</b>
	Eunea Unica*	<b>93657-2</b>	<b>93657-03</b>
	Universal	<b>93644-2</b> (7)	<b>93644-03</b> (7)

### Triple adapter | |

	Simon Connect* K45	<b>93619-2</b>	<b>93619-03</b> (6)
	Mosaic* and compatible	<b>93619-2</b>	<b>93619-03</b>

### Adapter DIN (8)

	<b>93649-2</b>	<b>93649-03</b>
--	----------------	-----------------

Socket boxes (9)	Single adapter	Double adapter	Triple adapter
	<b>93714</b>	<b>93719</b> (10)	<b>93729</b> (10)

- (1) Frames shall be supplied by the socket manufacturer. We recommend frames with straight corners.
- (2) Box for industrial outlets, compatible with some outlets from Mennekes brand and others. Can be installed only 3 outlets per module. Please contact us for details.
- (3) Compatible with RJ45 Systemax solutions and Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.
- (4) Compatible with RJ45 Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.
- (5) The adapters for Niessen Zenit outlets are designed for horizontal mounting. In vertical mounting cases, outlets will rotate 90° degrees from their original position.
- (6) Most of the switches and sockets of K type are compatible with this adapter. However, there are some part numbers (for example KB076, KB76, K130A, 2u. KA76, 2u. K302 + K115, etc.) that can only be mounted on the double plate 93614-2 or on the triple plate 93619-2 in the central area, placing blind lids on the sides.
- (7) 1, 2 or 3 outlets of 25 mm. module can be installed.
- (8) For electrical outlets DIN, the box 93719 is necessary to fix the outlet to the service pole.
- (9) The use of the box is necessary to assure the separation of circuits.
- (10) Contains a divider part no. 93720 to separate circuits. It can also be sold individually.
- \*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

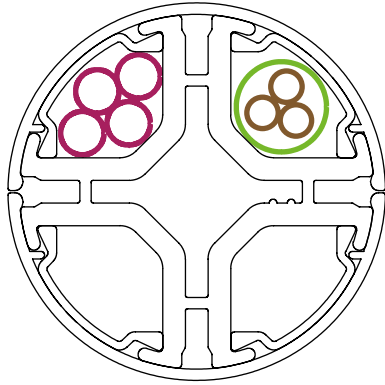
# 50



Service pole

## Useful cross-sections for wiring

Service pole 50 mm.



**Useful cross-section by compartment = 177 mm<sup>2</sup>**

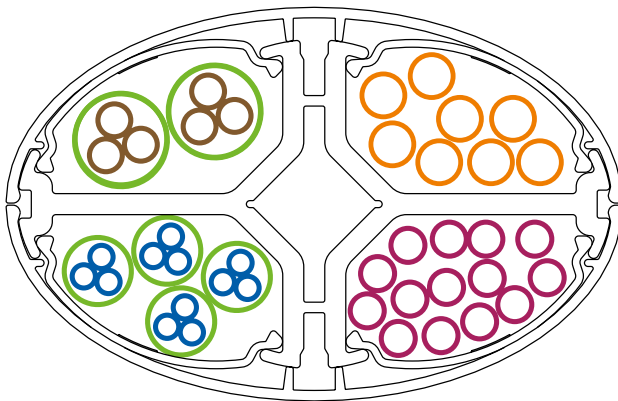
**Data cable:**

○ 4 pcs. UTP 4 pairs. Maximum Ø5.1 mm.

**Power cable:**

⊗ 1 p. 0.6/1kV RV-K 3G2.5. Maximum Ø13 mm.

Service pole 50x88 mm.



**Useful cross-section by compartment = 558 mm<sup>2</sup>**

**Data cables:**

○ 8 pcs. cable STP 4 pairs. Maximum Ø7.4 mm.

○ 14 pcs. cable UTP 4 pairs. Maximum Ø5.1 mm.

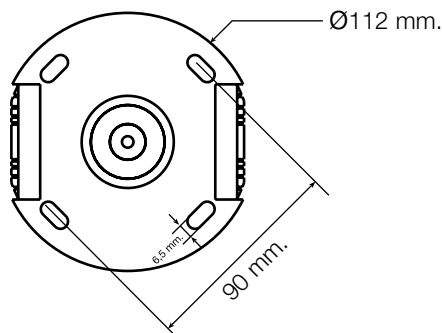
**Power cables:**

⊗ 4 pcs. 0.6/1kV RV-3G2.5. Maximum Ø10 mm.

⊗ 2 pcs. 0.6/1kV RV-3G2.5. Maximum Ø13 mm.

Note: The cables outer diameter changes from one manufacturer to another.

## Sizes for fixing of service poles to suspended ceiling







Power supply  
system for  
work spaces

# Furniture supply

# 51

raw material  
colour

**U24X**

**Grey**

**Anthracite**

**Translucent**

**Translucent  
graphite**



## For furniture cabling and wiring

---

- Furniture boxes which can be supplied from the ceiling, floor or wall.
- Versatile system, composed of a round-edged box and a translucent cable runway, adaptable to any office layout.
- Mobile and light system.
- Two runway sizes and one socket box with unlimited capacity for expansion, to meet all requirements.
- Easy fixing to all kind of furniture with relocation freedom.

## Raw material

---



Furniture box


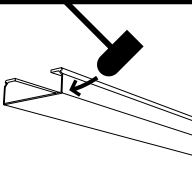
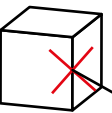


Compliant



## Technical characteristics

---

Electrical	Mechanical	Protection degree
		
<b>EN 62549</b>	<b>EN 62549</b>	<b>EN 62549</b>
Insulating material.	IK07, furniture box and trunking adapters.	IP4X, furniture box and trunking adapters.



### Furniture box

Colour

**Grey**

**RAL 7035**

**Anthracite**

### Flexible runway

Length

**1 or 3 m**

Colour

**Translucent**

### Closed rings runway

Length

**1 m**

Colour

**Translucent  
graphite**

Quality marks



Conformity declaration



See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)



Public services building: office



Work spaces: office



School: library





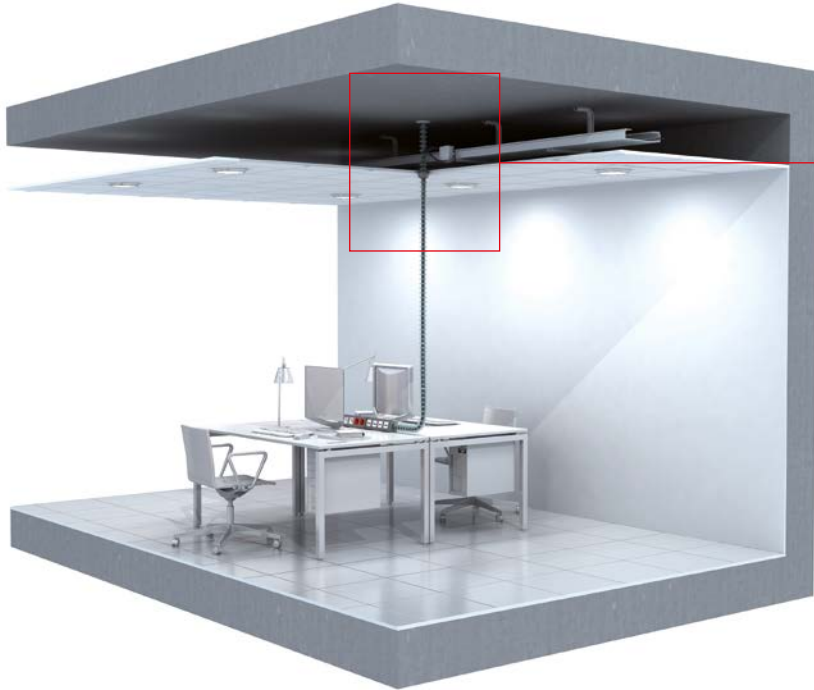
Work spaces: office



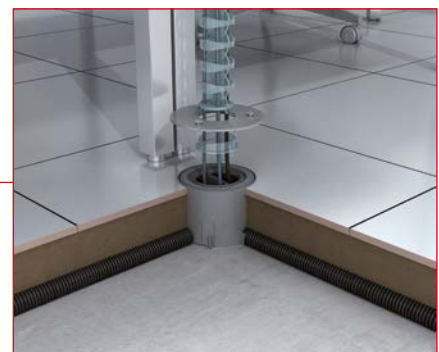
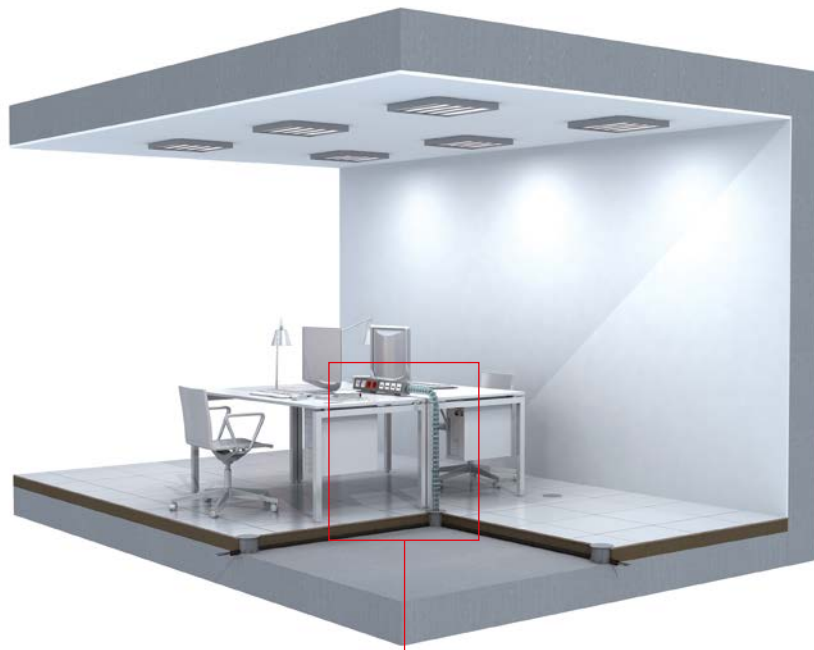
Industrial building: office

# Supply options

From suspended ceiling

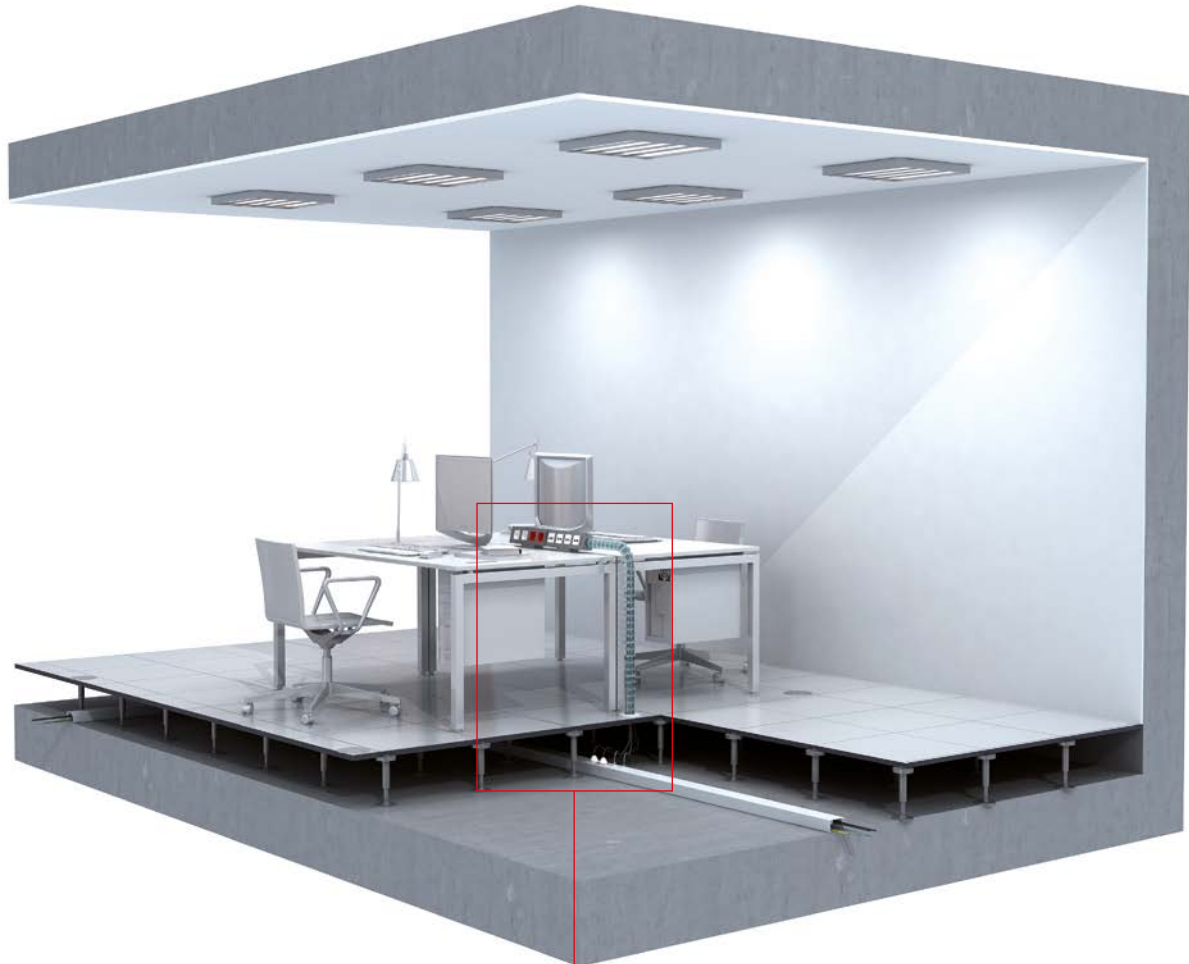


From the floor



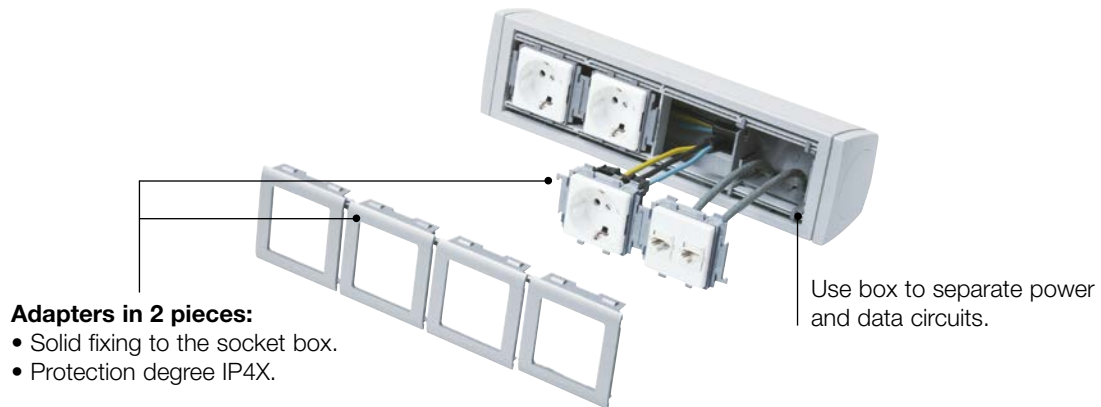


From technical floor



# Mounting of switches and sockets

Safe and easy mounting of switches and sockets



## Free choice and composition of switches and sockets

Electrical outlets

### Modular



- Niessen-Zenit\*.
- Simon\* 27.
- Mosaic\*.
- Simon Connect\* K45 and compatible.
- Eunea Unica\*.
- BJC\*, Sol.

### Modular double



- Mosaic\*.
- Simon Connect\* K45 "linkable".
- Eunea Unica\*.
- Simon CIMA 500\*.

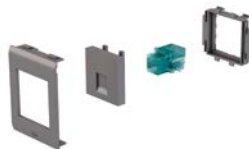
### DIN (Bipolar)



- MCB's (Miniature circuit breakers).
- RCD's (Residual current devices).

Data connectors

### Flat plate 1 RJ45



- Compatible with:
- Systimax solutions.
  - Universal type Keystone.

### Flat plate 2 RJ45



- Compatible with:
- Systimax solutions.
  - Universal type Keystone.

### Angled plate 2 RJ45



- Compatible with:
- Universal type Keystone.

**Reduced stock of fittings.** Same system for mounting switches and sockets for: Trunking 93, Modular box 85, Service pole 50, Service post 50 and Furniture supply 51.

\* These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

# A system adapted to each work space

Furniture boxes can be:

- Extended according to the requirements.
- Easily relocated, thanks to their removable fixing system.

## Removable furniture box:



## Fixed furniture box:



## Without flexible runway:



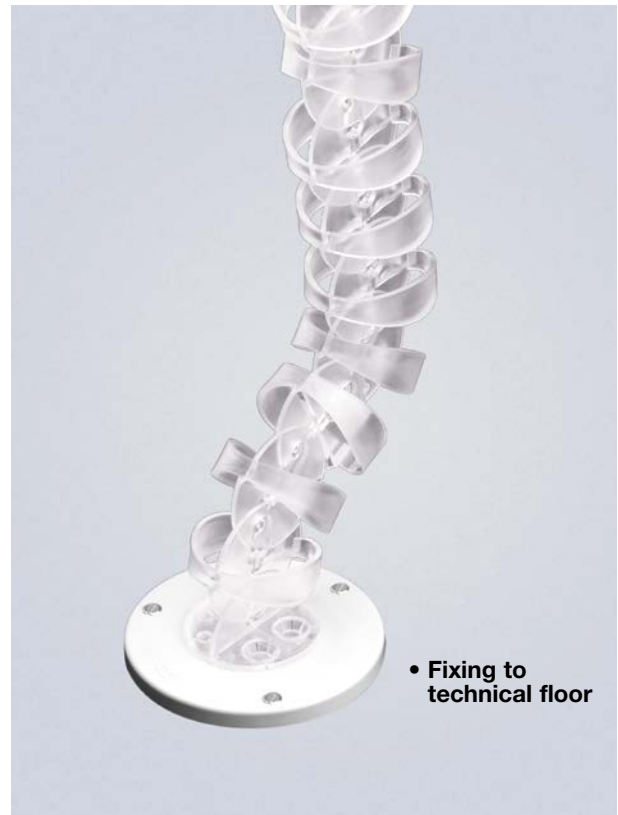
## Other possibilities:



## Mechanical safety

### Solid

Suspended ceiling and floor fixings are secured by screws.



### Strong fixing to furniture

Both fixing systems assure that the furniture box remains firm and holds the pull of socket outlets.



# Electrical safety

IP4X protection degree on the furniture box inlet through the flexible runway. Cables are well-retained to avoid tugs and failures in electrical contacts.



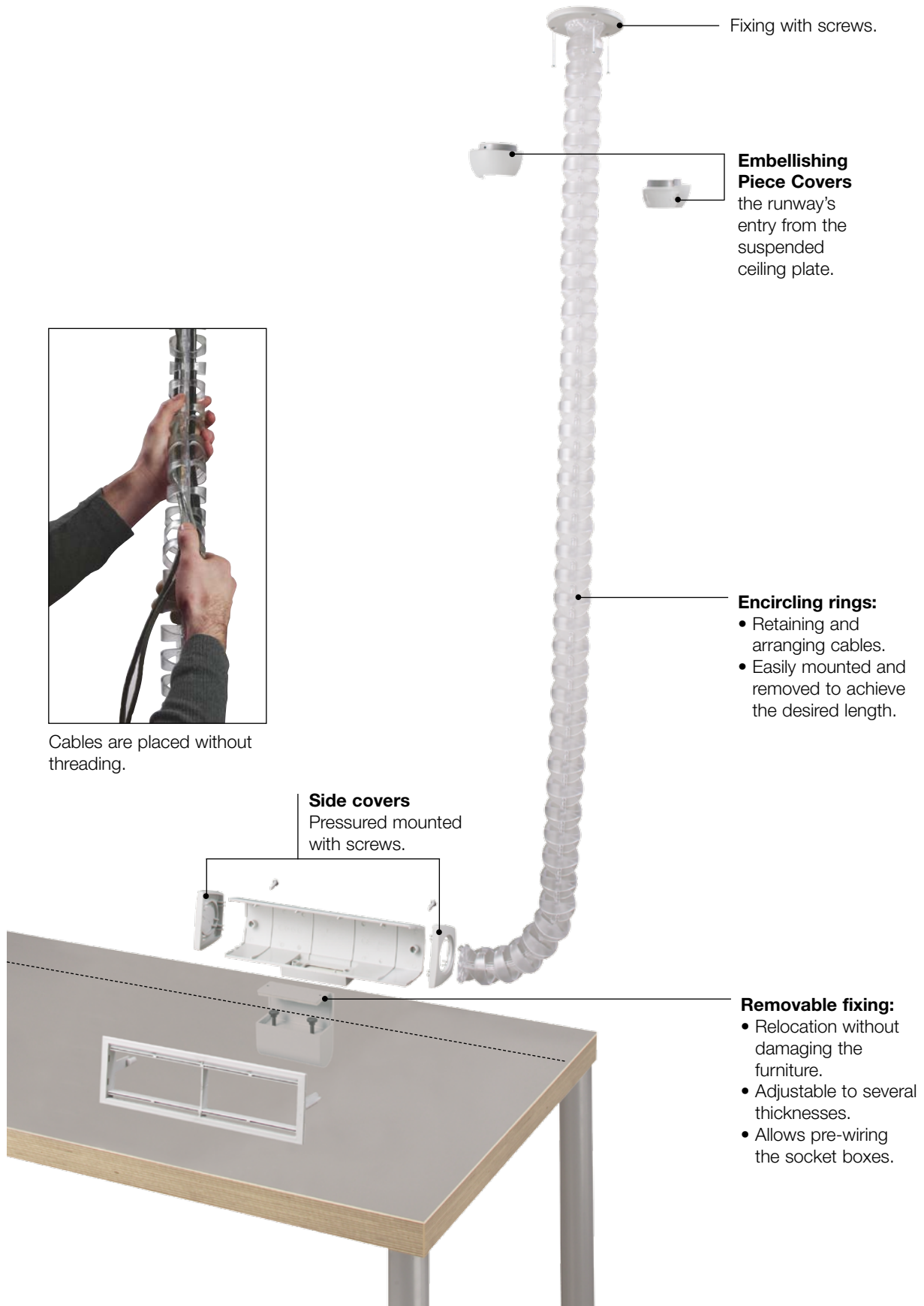
The system's own adapters maintain the required protection degree **IP4X** when connecting to socket boxes as well as to trunking, modular box, service pole and service post.





# Easy and comfortable mounting

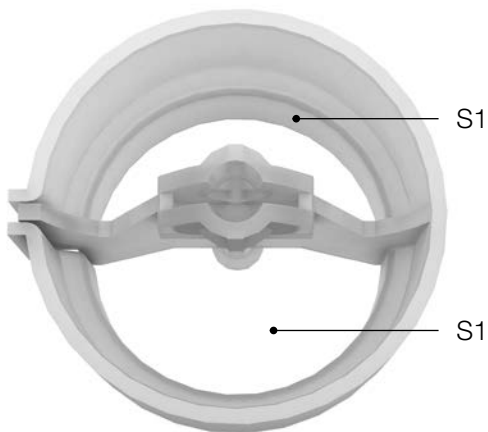
From the suspended ceiling





# Useful cross-section

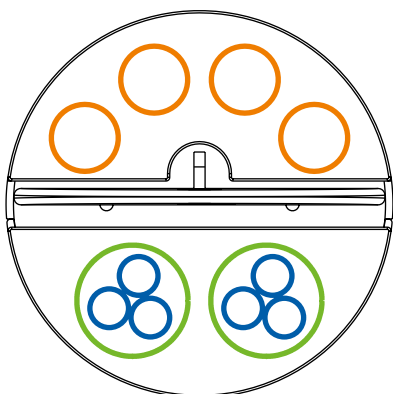
## Passing the cables through the rings of the runway



	Part number	S1 (mm <sup>2</sup> )
Closed rings runway	51601-10	525
	51601-17	
	51603-10	
Flexible runway	51602-10	670
	51606-10	

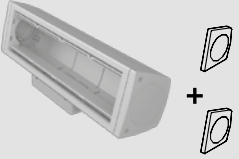
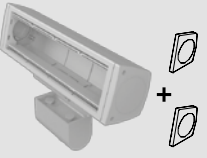

S1: same cross section

## Passing the cables through the ends of the runway








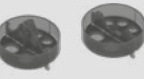
### Data and power cables


- 4 data cables Maximum Ø9 mm.
- ⊗ 2 power cables 0.6/1 kV RZ1-K 3G2.5. Maximum Ø13 mm.

	<p><b>Grey</b> RAL 7035 (Part no. 51xxx)</p> <p><b>Anthracite</b> (Part no. 51xxx-05)</p>	
	<p><b>Fixed furniture box 4 outlets</b> Linkable</p>	<b>51323</b> (1)
		<b>51323-05</b> (1)
	<p><b>Removable furniture box 4 outlets</b> Linkable For tables from 5 to 45 mm. thick</p>	<b>51423</b> (1)
		<b>51423-05</b> (1)
	<p><b>Adapter</b></p>	Essential to mount switches and sockets (See table page 206).



(1) Includes junction in order to mount two or more boxes.

### Flexible Runway 51 in **PC**


	<p><b>Translucent</b> (Part no. 51xxx-10)</p> <p><b>Translucent graphite</b> (Part no. 51xxx-17)</p>	
	<p><b>Flexible runway</b> End caps part no. 51600 are included</p>	L = 1 m <b>51602-10</b>
		L = 3 m <b>51606-10</b>
	<p><b>Closed rings runway</b></p>	L = 1 m <b>51601-10</b>
		L = 3 m <b>51603-10</b>
	<p><b>Flexible runway end cap</b> Includes 2 items.</p>	<b>51600-10</b>
	<p><b>Fixing clamp</b></p>	<b>51612-10</b>
	<p><b>Closed rings runway</b></p>	L = 1 m <b>51601-17</b>
	<p><b>Flexible runway end cap</b> Includes 2 items.</p>	<b>51600-17</b>

See next page 

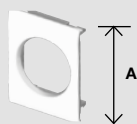

**Runway fixings 51 in U24X**

	<p><b>Grey</b> RAL 7035 (ref. 51xxx)</p>	
	<p><b>Floor plate</b> Fixing the runway to the floor, wall and ceiling structure</p> <p><b>Grey</b></p>	<b>51610</b>
	<p><b>Suspended ceiling plate</b></p> <p><b>Grey</b></p>	<b>51611</b>



**Flexible runway 51 to Floor box 52 in SST**

	<p><b>Flexible runway lid</b></p> <p>SST</p>	<b>51814</b>
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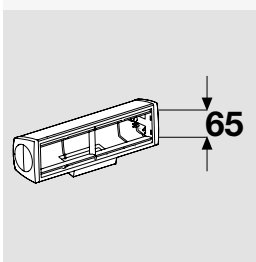
**Flexible runway 51 adapters in U24X**

	<p><b>White</b> RAL 9010 (Part no. 51xxx-2) <b>Grey</b> RAL 9006 (Part no. 51xxx-03)</p>	
	<p><b>Modular adapter for flexible runway</b></p> <p>To fix the runway to Service post and Service pole 50, Trunking 93 and Modular box 85.</p> <p><b>A = 65</b> <b>A = 80</b></p>	<p><b>51623-2</b> <b>51623-03</b> <b>51624-2</b> <b>51624-03</b></p>
	<p><b>Universal adapter for flexible runway</b></p> <p>To fix the runway to Service post and Service pole 50, Trunking 93 and Modular box 85.</p>	<b>51630-2 (1)</b>

(1) The corresponding plate and frame are necessary to fix the runway to Trunking 73 (see page 74-75).

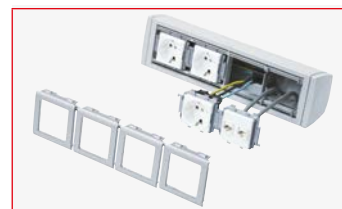
See next page 

## Adapters for Furniture boxes 51



**White** RAL 9010 (Part no. 93xxx-2)  
**Aluminium** RAL 9006 (Part no. 93xxx-03)

Socket box = 4 outlets



### Single plate RJ45

	Flat 1RJ45	<b>93749-2</b> (1)	<b>93749-03</b> (1)
	Flat 2RJ45	<b>93751-2</b> (1)	<b>93751-03</b> (1)
	Angled 2RJ45	<b>93753-2</b> (2)	<b>93753-03</b> (2)

### Single adapter

	Niessen Zenit*	<b>93635-2</b>	<b>93635-03</b>
	BJC* Sol	<b>93661-2</b>	<b>93661-03</b>
	Simon* 27	<b>93623-2</b>	<b>93623-03</b>
	Simon Connect* K45	<b>93608-2</b> (3)	<b>93608-03</b> (3)
	Mosaic* and compatible	<b>93608-2</b>	<b>93608-03</b>
	Eunea Unica*	<b>93653-2</b>	<b>93653-03</b>

### Double adapter + |

	Simon Connect* K45	<b>93613-2</b> (3)	<b>93613-03</b> (3)
	Mosaic* and compatible	<b>93613-2</b>	<b>93613-03</b>
	Eunea Unica*	<b>93656-2</b>	<b>93656-03</b>
	Simon CIMA 500*	<b>93640-2</b>	<b>93640-03</b>

### Adapter DIN (4)

	<b>93648-2</b>	<b>93648-03</b>
--	----------------	-----------------

### Socket boxes (5)

	Single adapter	Double adapter
	<b>93713</b>	<b>93718</b>

(1) Compatible with RJ45 Systimax solutions and Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.

(2) Compatible with RJ45 Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.

(3) Most of the switches and sockets of K type are compatible with this adapter. However, there are some part numbers (for example KB076, KB76, K130A, 2u. KA76, 2u. K302 + K115, etc.) that can only be mounted on the double plate 93613-2/93613-03.

(4) For electrical outlets DIN, the box 93718 is necessary to fix the outlet to the furniture supply.

(5) The use of the box is necessary to assure the separation of circuits.

\* These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.



Power supply  
system for  
work spaces

# Service post 50

raw material

**U24X**

colour

**Grey**

**Anthracite**

## For supply of work spaces from the floor in open-plan rooms

- Flexible modules enabled to properly lodge the required switches and sockets within a minimum of space, fitting well with the furniture distribution.
- **Innovatory, functional and minimalist design**, created to coexist with all kinds of settings.
- Solid and safe structures, easy to install and to relocate.

## Raw material



Service post



Compliant



## Technical characteristics

**Electrical**

EN 50085-2-4\*

Insulating material.

---

No earthing required.

**Mechanical**

EN 50085-2-4\*

IK07.

**Temperature**

+60°C

-5°C

EN 50085-2-4\*

**Protection degree**

EN 50085-2-4\*

IP4X.

**In front of fire**

Glow-wire test at 960°C.

---

Non flame propagating.

\* BS EN 50085-2-4 is the UK implementation of EN 50085-2-4.





Colour

Grey

**RAL 7035**

Anthracite

Quality marks



Conformity declaration



See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)



Sports facilities: fitness center



Work spaces: office



Work spaces: office



Recreational and cultural facilities



Public service building: office

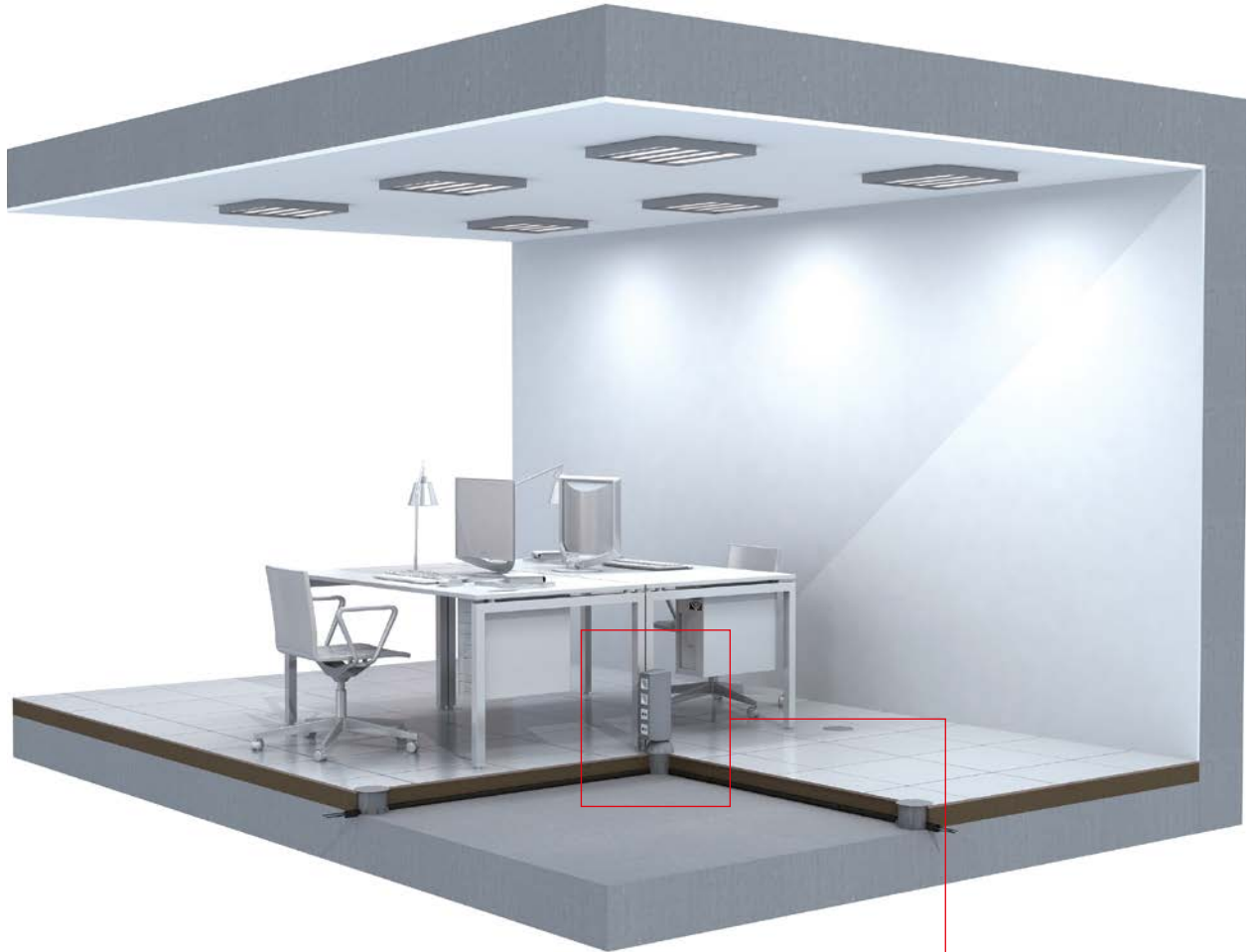


Work spaces: office

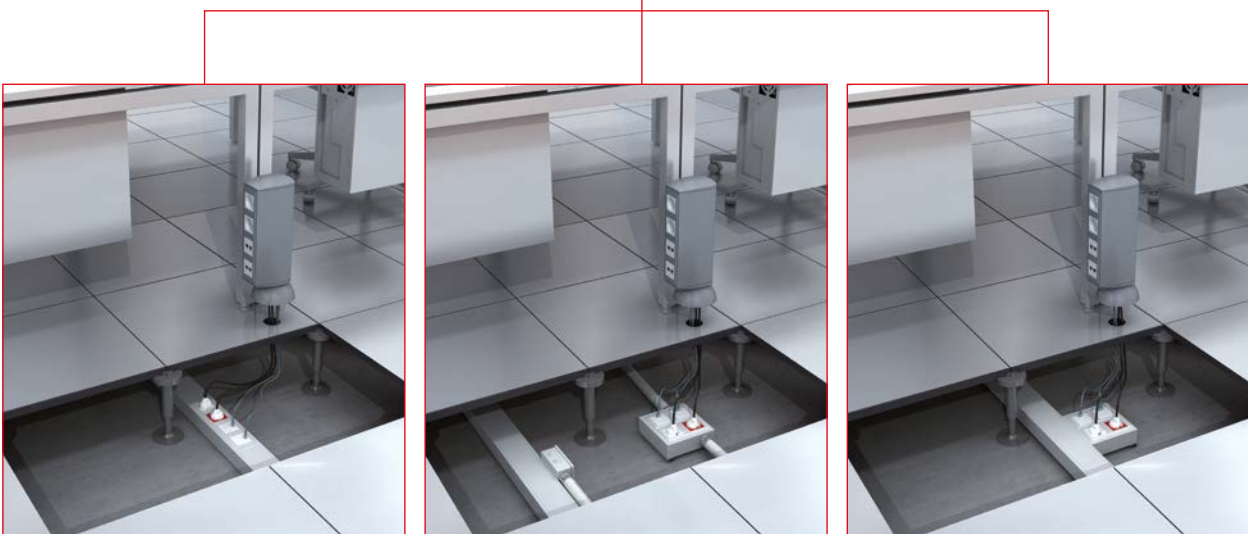


# Supply options

From the floor

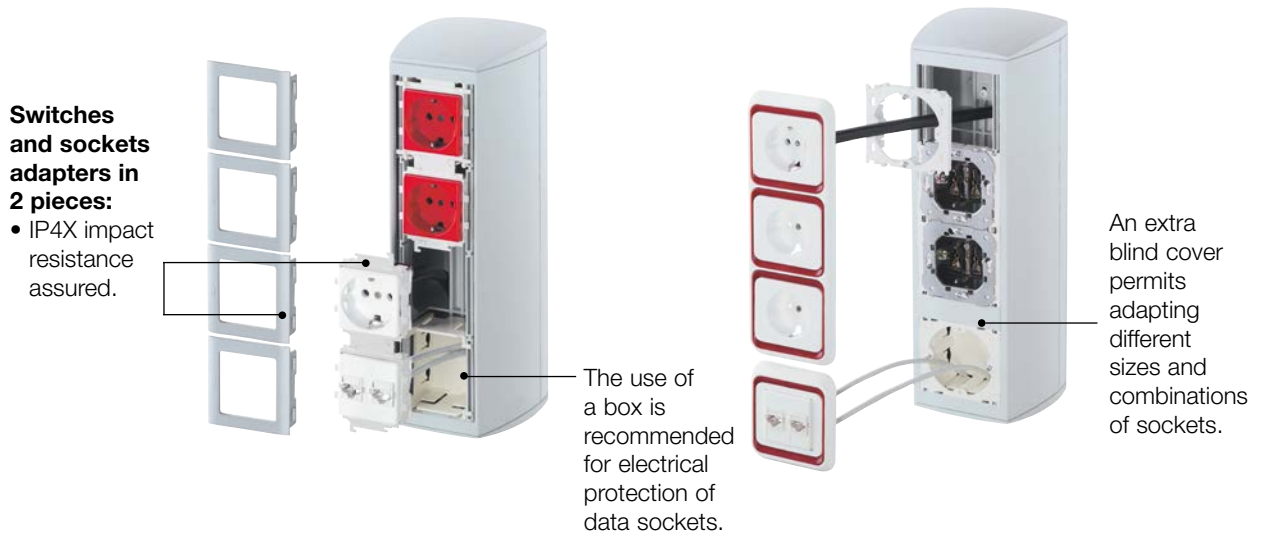


From technical floor



# Mounting of switches and sockets

Safe and easy installation



A system adapted to each work space



**One-face service post has 4 outlets. You can choose them from these 2 colours:**

- Grey RAL 7035.
- Anthracite.

**Two-face service post have 8 outlets. You can choose them from these 2 colours:**

- Grey RAL 7035.
- Anthracite.

**Two-face service post have 16 outlets in colour:**

- Grey RAL 7035.



# Flexibility to combine a variety of switches and sockets

## Electrical outlets

### Universal CEE-7 (1)



- Niessen\* Olas, Arco, Tacto, Zenit and Stylo.
- BJC\*.
- Jung\*.
- Simon\* 31, 75, 88, 82.
- Mosaic\*.
- Valena\*.
- Bticino\*.
- Eunea\*.
- Berker\*.
- Gewiss\*.

### Industrial socket box



- Mennekes\*.
- ABL\*.
- Simon\*.

### Modular



- Niessen Zenit\*.
- Simon\* 27.
- Simon Connect\* K45 and compatible.
- Mosaic\*.
- Eunea Unica\*.
- BJC Sol\*.

### Modular double



- Mosaic\*.
- Simon Connect\* K45 "linkable".
- Eunea Unica\*.
- Simon CIMA 500\*.

### Modular triple



- Simon Connect\* K45 "linkable".
- Mosaic\*.

### Universal



- Niessen\* Zenit.
- Bticino\*.
- Unica-Allegro\* (3 modules).
- Gewiss\*.

### DIN (Bipolar)



- MCB's (Miniature circuit breakers).
- RCD's (Residual current devices).

## Data connectors

### Flat plate 1 RJ45



- Compatible with:
- Systemax solutions.
  - Universal type Keystone.

### Flat plate 2 RJ45



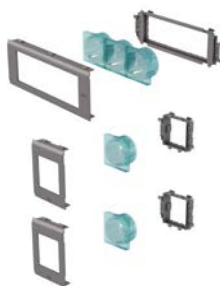
- Compatible with:
- Systemax solutions.
  - Universal type Keystone.

### Angled plate 2 RJ45



- Compatible with:
- Universal type Keystone.

## Mounting of 5 modular outlets in a socket box 80 mm



1 triple adapter +  
2 single adapters



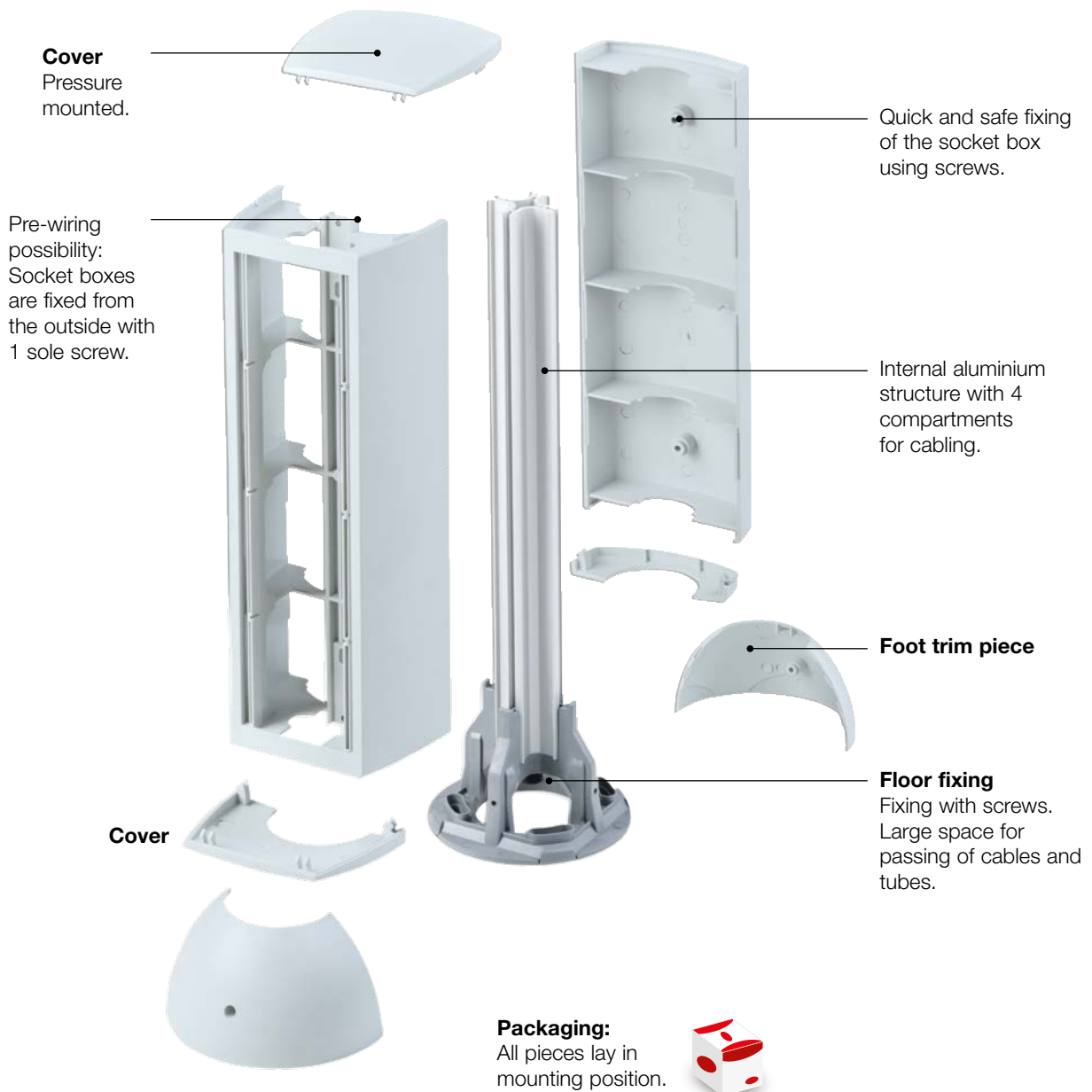
1 triple adapter +  
1 double adapter

**Reduced stock of fittings.** Same system for mounting switches and sockets for: Trunking 93, Modular box 85, Service pole 50, Service post 50 and Furniture supply 51

(1) It is not possible to mount 4 simple adapters; possible combinations: 1+3, 2+2 or 1 adapter for 4 outlets.

\* These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

# Easy and comfortable mounting



Switches and sockets width (mm)

65

80

	<p>Grey RAL 7035 (Part no. 50xxx)</p> <p>Anthracite (Part no. 50xxx-05)</p>		
	<p><b>Service post 4 outlets</b> To install 4 switches and sockets.</p>	<b>50623</b>	<b>50624</b>
		<b>50623-05</b>	<b>50624-05</b>
	<p><b>Service post 8 outlets</b> To install 4 switches and sockets on each side.</p>	<b>50723</b>	<b>50724</b>
		<b>50723-05</b>	<b>50724-05</b>
	<p><b>Service post 16 outlets</b> To install 8 switches and sockets on each side.</p>	<b>50743</b>	<b>50744</b>
	<b>Adapters</b>	Essential to mount switches and sockets (See table pages 218-219).	

**Mounting of Service post on Floor box 52 in U24X** (See Floor Box 52)

	<b>Floor box</b>	<b>52802</b>
--	------------------	--------------

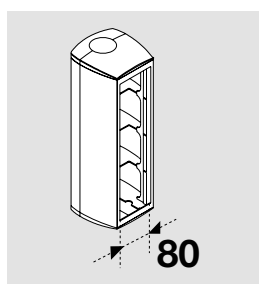
**Flexible runway 51 adapters in U24X** (See Furniture supply 51)

	<p>White RAL 9010 (Part no. 51xxx-2)</p> <p>Aluminium RAL 9006 (Part no. 51xxx-03)</p>		
	<p><b>Modular adapter for Flexible runway 51</b></p>	<b>51623-2</b>	<b>51624-2</b>
		<b>51623-03</b>	<b>51624-03</b>

See next page



## Adapters for the service pole's socket boxes 80 mm. width



White RAL 9010 (Part no. 93xxx-2)

Aluminium RAL 9006 (Part no. 93xxx-03)

Service post 4 outlets    Service post 8 outlets    Service post 16 outlets

<b>50624</b> 50624-05	<b>50724</b> 50624-05	<b>50744</b>



### Universal single adapter (1)

	Universal CEE-7	<b>93604</b>
	Universal outlet box	<b>93709</b>

### Single industrial outlet box (2)

		<b>93708</b>
--	--	--------------

### Single plate RJ45

	Flat 1RJ45	<b>93750-2</b> (3)	<b>93750-03</b> (3)
	Flat 2RJ45	<b>93752-2</b> (3)	<b>93752-03</b> (3)
	Angled 2RJ45	<b>93754-2</b> (4)	<b>93754-03</b> (4)

### Single adapter

	Niessen Zenit*	<b>93636-2</b> (5)	<b>93636-03</b> (5)
	BJC* Sol	<b>93664-2</b>	<b>93664-03</b>
	Simon* 27	<b>93622-2</b>	<b>93622-03</b>
	Simon Connect* K45	<b>93609-2</b> (6)	<b>93609-03</b> (6)
	Mosaic* and compatible	<b>93609-2</b>	<b>93609-03</b>
	Eunea Unica*	<b>93654-2</b>	<b>93654-03</b>

### Double adapter |

	Simon CIMA 500*	<b>93641-2</b>	<b>93641-03</b>
	Simon Connect* K45	<b>93614-2</b> (6)	<b>93614-03</b> (6)
	Mosaic* and compatible	<b>93614-2</b>	<b>93614-03</b>
	Eunea Unica*	<b>93657-2</b>	<b>93657-03</b>
	Universal	<b>93644-2</b> (7)	<b>93644-03</b> (7)

### Triple adapter | |

	Simon Connect* K45	<b>93619-2</b> (6)	<b>93619-03</b> (6)
	Mosaic* and compatible	<b>93619-2</b>	<b>93619-03</b>

### Adapter DIN (8)

		<b>93649-2</b>	<b>93649-03</b>
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### Socket boxes (9)

	Single adapter	Double adapter	Triple adapter
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	<b>93714</b>	<b>93719</b> (10)	<b>93729</b> (10)
--	--------------	-------------------	-------------------

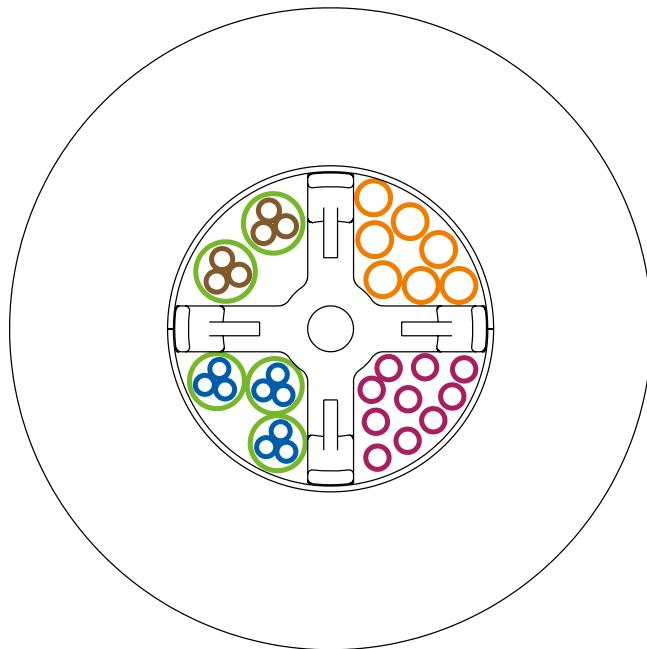
- (1) Frames shall be supplied by the socket manufacturer. We recommend frames with straight corners.
  - (2) Box for industrial outlets, compatible with some outlets from Mennekes brand and others. Can be installed 3 outlets per module. Please contact us for details.
  - (3) Compatible with RJ45 Systimax solutions and Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.
  - (4) Compatible with RJ45 Universal type Keystone (AMP, Krone, Nexans, Jetlan, Belden, Brand-Rex and OPENETICS). For specific types or brands, please contact us.
  - (5) The adapters for Niessen Zenit outlets are designed for horizontal mounting. In vertical mounting cases, outlets will rotate 90° degrees from their original position.
  - (6) Most of the switches and sockets of K type are compatible with this adapter. However, there are some part numbers (for example KB076, KB76, K130A, 2u. KA76, 2u. K302 + K115, etc.) that can only be mounted on the double plate 93614-2/93619-03 or on the triple plate 93619-2/93619-03 in the central area, placing blind lids on the sides.
  - (7) 1, 2 or 3 outlets of 25mm. module can be installed.
  - (8) For electrical outlets DIN, the box 93719 is necessary to fix the outlet to the service post.
  - (9) The use of the box is necessary to assure the separation of circuits.
  - (10) Includes a divider part no. 93720 to separate circuits in connections. It can also be sold individually.
- \*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

# Useful cross-sections for wiring

Wiring example

Service post

---

**Data cables:**

○ 7 pcs. cable STP 4 pairs. Maximum Ø7.4 mm.

○ 10 p. UTP 4 pairs. Maximum Ø5.1 mm.

**Power cables:**

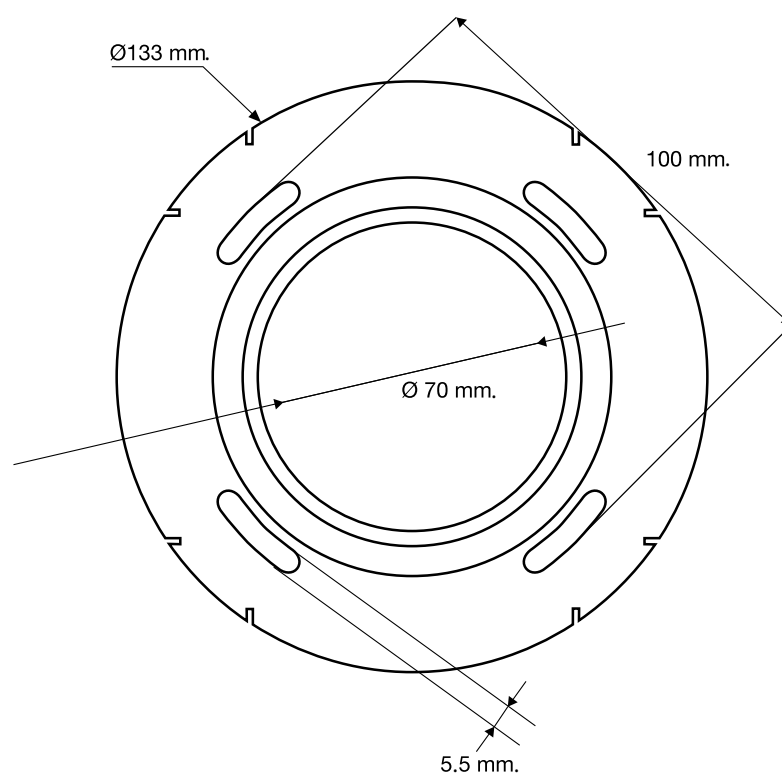
⊗ 2 pcs. 0.6/1kV RV-K 3G2.5. Maximum Ø13 mm.

⊗ 3 pcs. 0.6/1kV RV-K 3G2.5. Maximum Ø12 mm.

## Sizes

For fixing the service post without a floor box

---







Power supply  
system for  
work spaces

# Floor box 52

raw material

**U24X**

## Several options for supply of work spaces from the floor in open-plan rooms

- Connection box fixed on the floor structure, embedded in the levelling layer and flushed in the pavement.
- Possibility to reserve spare access units protected by a waterproof lid.
- Clean and safe system. Watertight connections. Outlets are insulated, separated and kept apart from the floor.
- Versatile configuration of work spaces with possibility to combine with Service post 50 or Furniture supply 51.

## Raw material




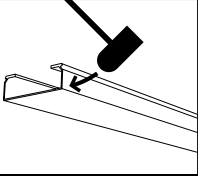
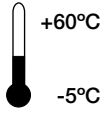
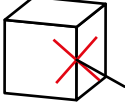

Floor box



Compliant



## Technical characteristics

Electrical	Mechanical	Temperature	Protection degree	In front of fire
				
<b>EN 50085-2-2*</b> Insulating material. No earthing required.	<b>EN 50085-2-2*</b> IK07.	<b>EN 50085-2-2*</b>	<b>EN 50085-2-2*</b> IP4X.	<b>EN 50085-2-2*</b> Glow-wire test at 960°C. Non flame propagating.

\* BS EN 50085-2-2 is the UK implementation of EN 50085-2-2.



Conformity declaration



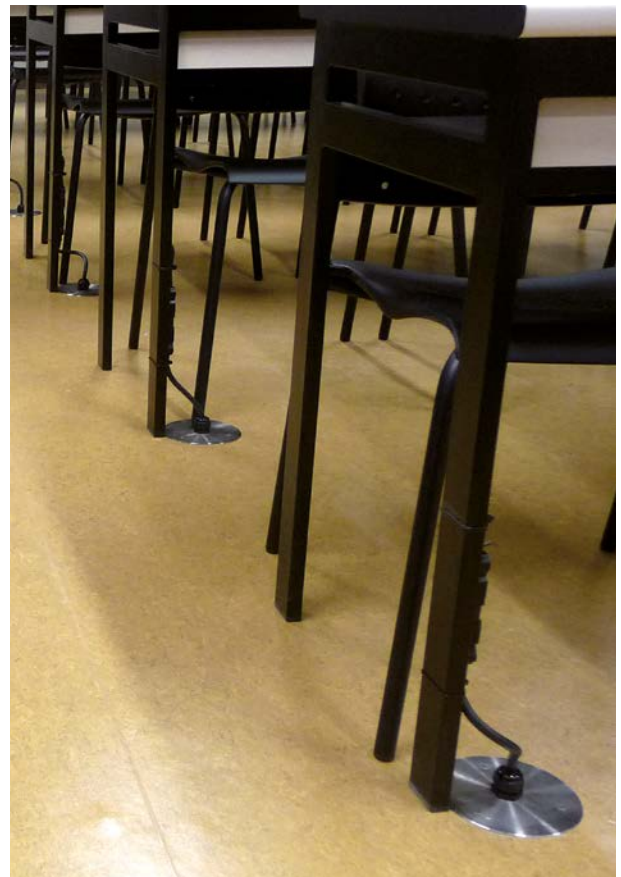
See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)



Sports facilities: fitness center



Work spaces: office



School



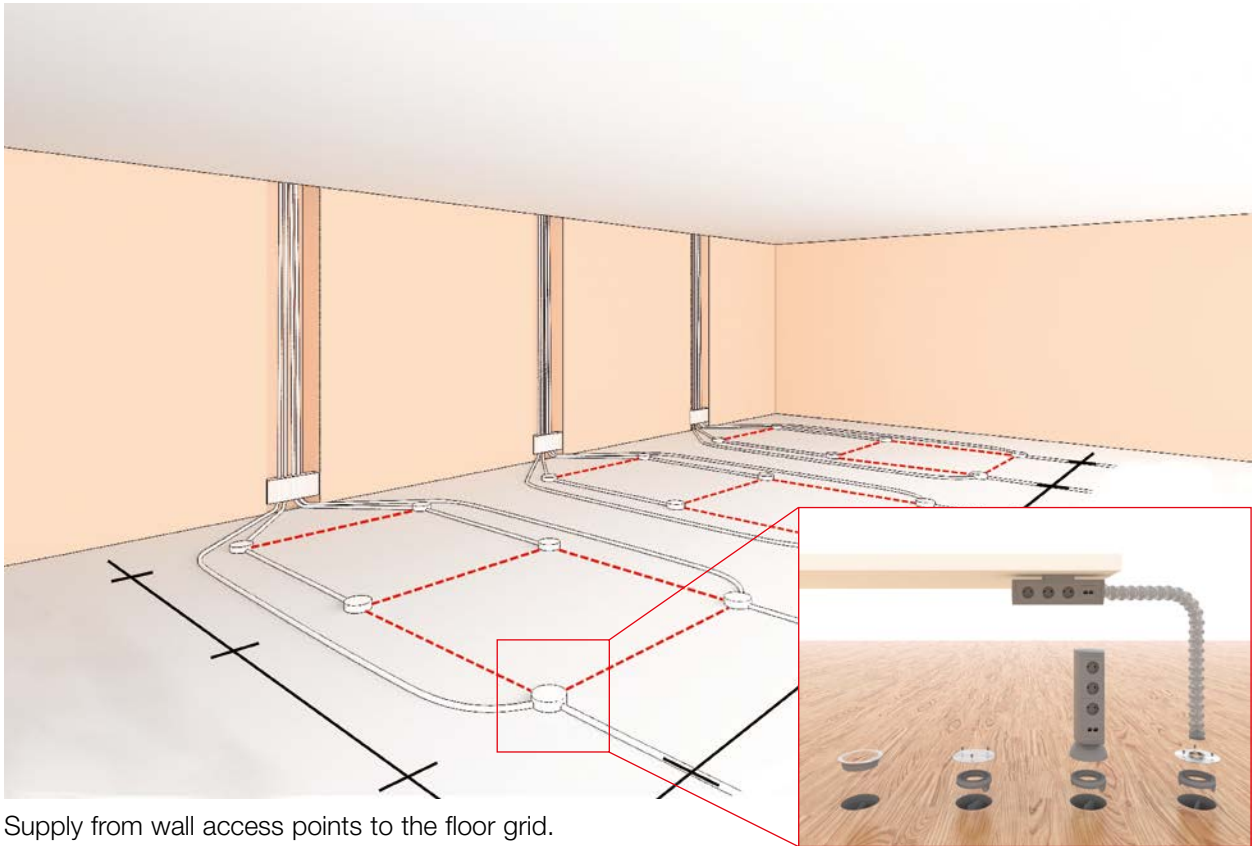


Recreational and cultural facilities: library



Recreational and cultural facilities: museum

## Mounting process

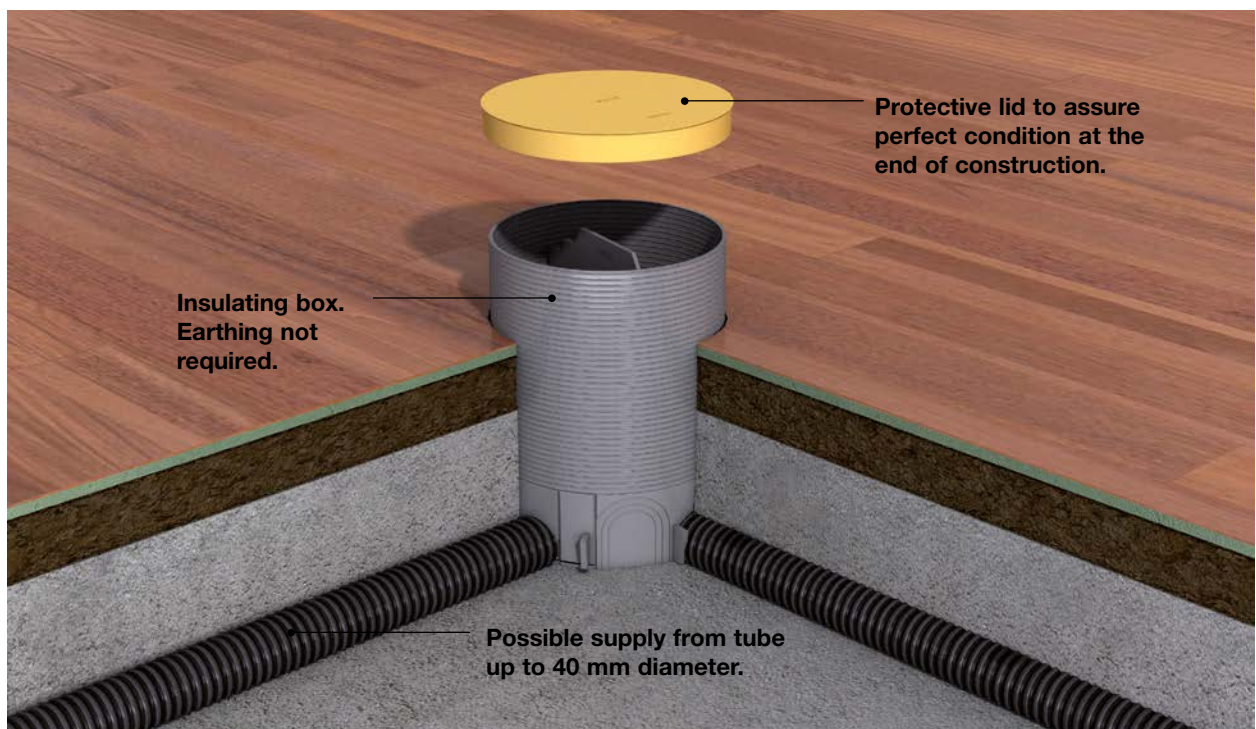


Supply from wall access points to the floor grid.

Four mounting possibilities:

- Watertight lid.
- Paving lid.
- Service post 50.
- Furniture supply 51.

## Easy mounting



Insulating box.  
Earthing not required.

Protective lid to assure perfect condition at the end of construction.

Possible supply from tube up to 40 mm diameter.



## Suitable for all kind of floors

Unex Floor box 52 can be mounted on any kind of surface: newly built floor, refurbishing, supply from the lower floor, embedded or over concrete structures, and with all kinds of finishing: ceramics, tile, marble, wood, carpet, etc.



Supply from the floor in newly-built construction



Supply from the floor in refurbishment



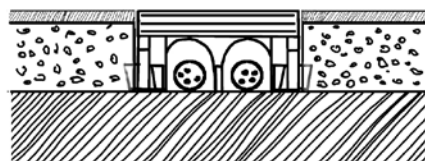
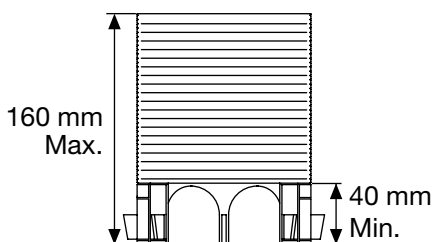
Supply from lower floor



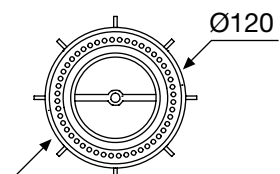
Supply from technical floor





## Minimum height

The floor box can be easily cut at the required height, with a minimum floor thickness of **40 mm**.




External diameter:



	<p><b>Floor box</b> <b>U24X</b></p>	<p><b>52802</b></p>
	<p><b>Watertight lid</b> SST</p>	<p><b>52812</b></p>
	<p><b>Paving lid</b> SST</p>	<p><b>52810</b></p>
	<p><b>Lid opening tool</b> Steel</p>	<p><b>52900</b></p>



**Flexible runway 51 fixing in SST**

	<p><b>Flexible runway lid</b> SST</p>	<p><b>51814</b></p>
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## Compatible with:

Service post 50

Furniture supply 51



The system is suitable for wet treatment floors.



Cable conduction  
system for  
HVAC

# Trunking 30

raw material  
colour

**U23X**

White



For conduction and neat finishing of HVAC installations with split-type equipment

- **Suitable for outdoor use.**
- Firm holding of the cover.
- Complete system of fittings.
- Can be painted.
- **Protective film** for preserving the product's features during transport and handling.

## Raw material



## Technical characteristics

Electrical	Mechanical	Service temperature	Outdoors
<p>EN 50085-2-1*</p> <p>Insulating material. No earthing required.</p>	<p>EN 50085-2-1*</p> <p>IK08.</p>	<p>EN 50085-2-1*</p>	<p>Good performance outdoors and with exposure to UV rays.</p>

\* BS EN 50085-2-1 is the UK implementation of EN 50085-2-1.

Trunking

30 **U23X**  
White



Length

**2 m**

Colour

**White**

**RAL 9010**

### Quality marks



### Approvals



ФЗ от 22.07.08 N 123-ФЗ  
ГОСТ Р 53313-2009

### Conformity declaration



See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)

30

U23X  
White

Trunking



Apartment building renovation



Apartment building renovation



Housing

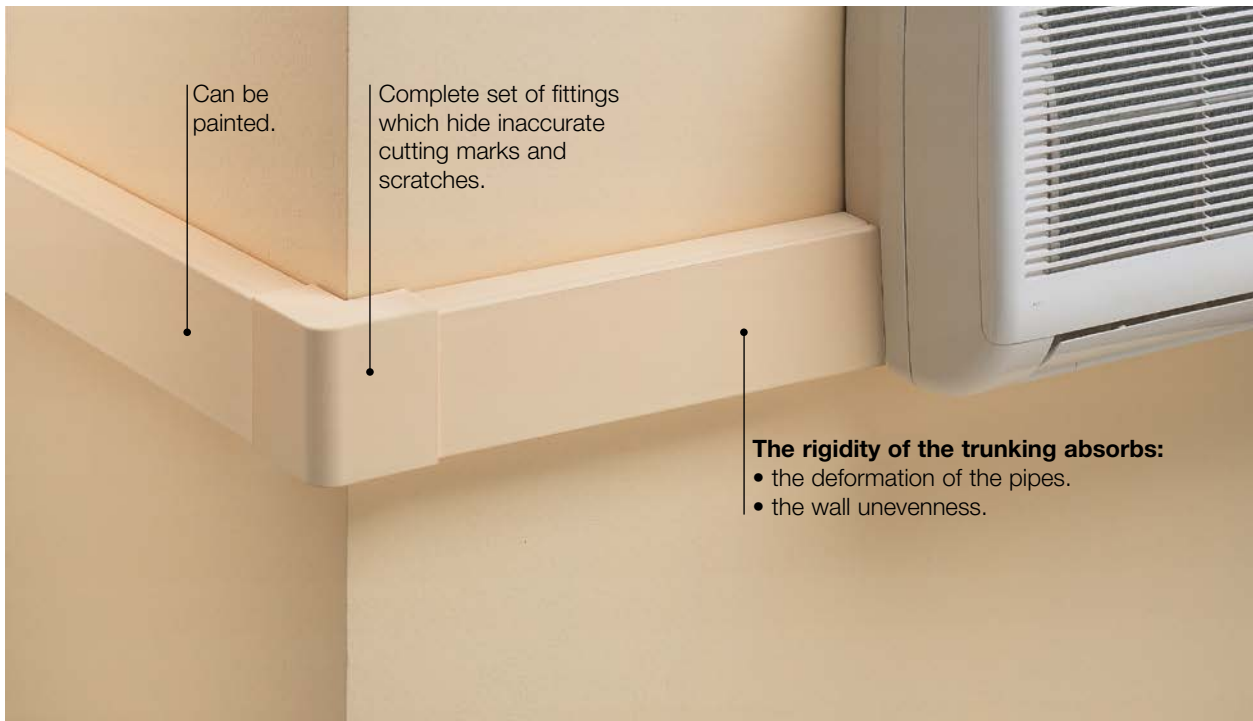




Housing

# Neat finishing

## Fittings

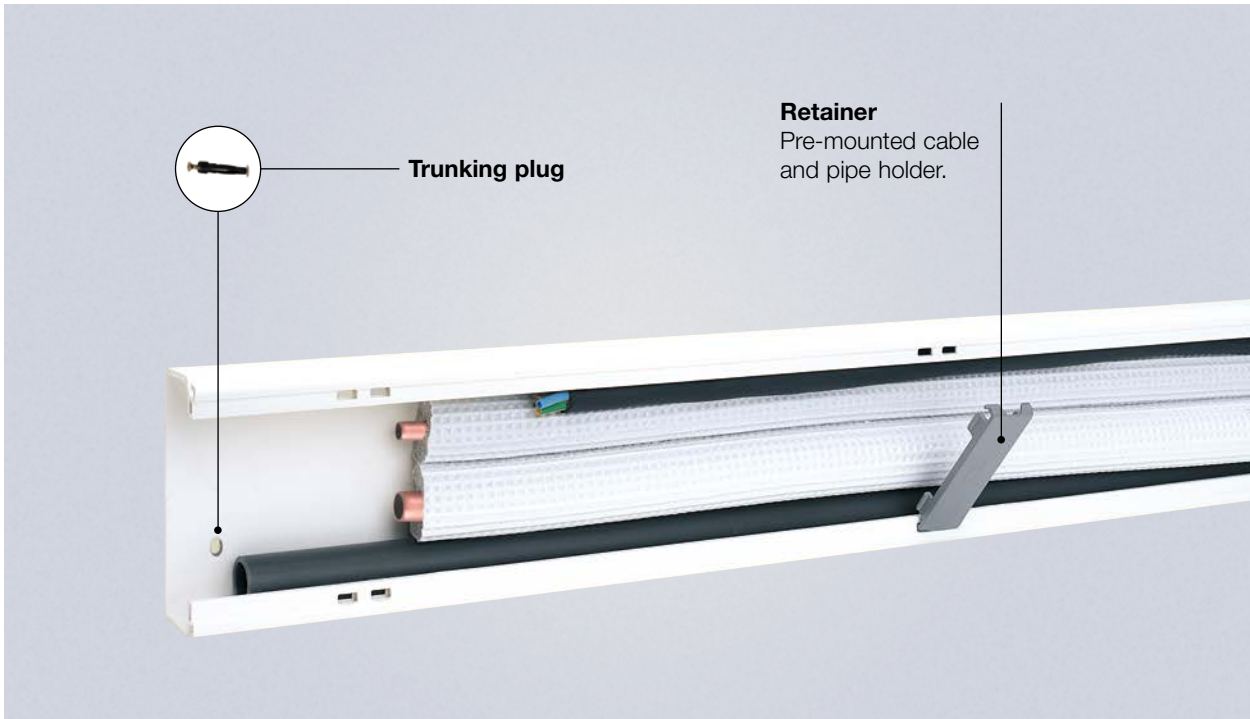


## Safety



# Easy mounting

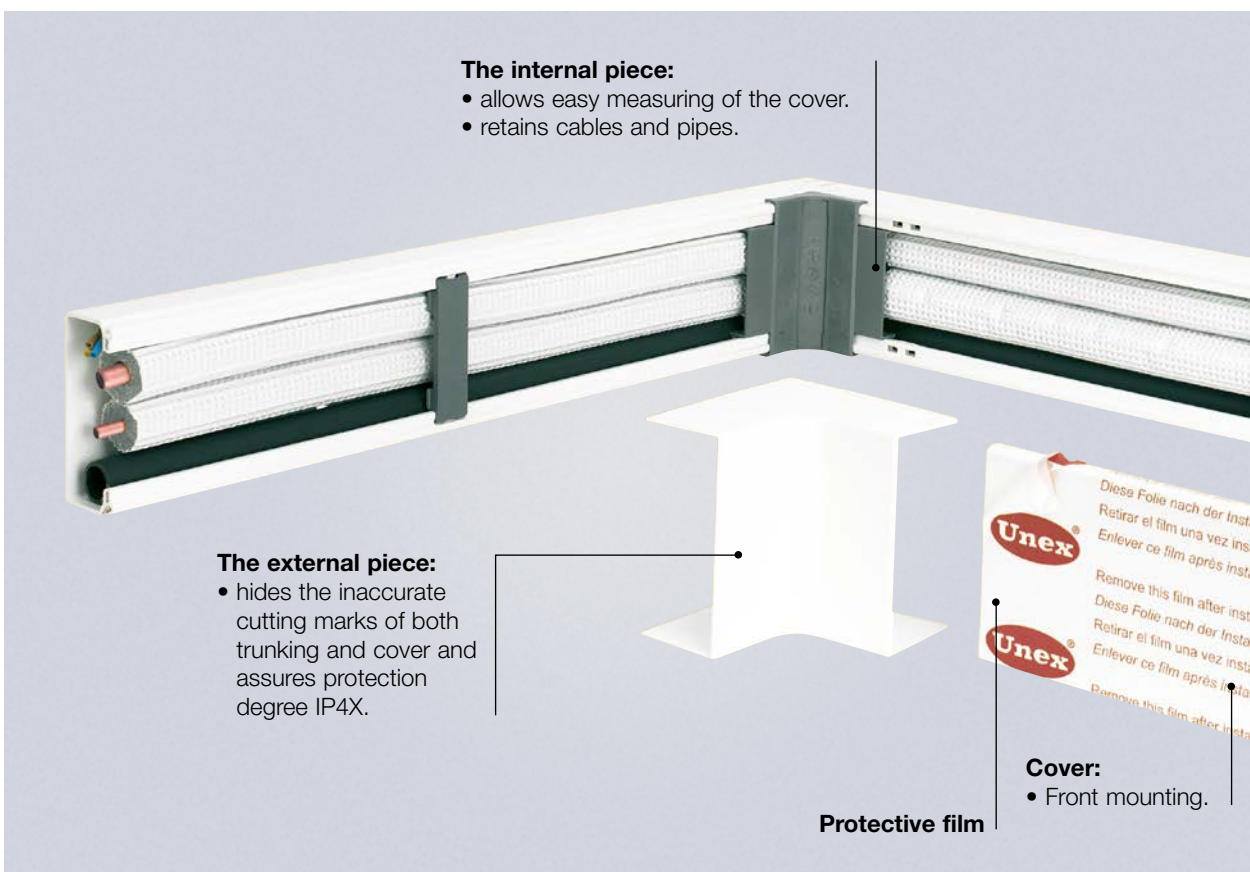
## Trunkings and pipes



**Retainer**  
Pre-mounted cable  
and pipe holder.

**Trunking plug**

## Fittings



**The internal piece:**

- allows easy measuring of the cover.
- retains cables and pipes.

**The external piece:**

- hides the inaccurate cutting marks of both trunking and cover and assures protection degree IP4X.

**Protective film**

**Cover:**

- Front mounting.

# 30

**U23X**




White

## Trunking

Trunking sizes (mm)

30x40


40x60

	<p>White</p> <p><b>RAL 9010</b> (Part no. 30XXX-2) (Part no. 73XXX-2)</p>		
	<p><b>Trunking</b> 2 m</p>	<p><b>73110-2</b></p>	<p><b>30021-2</b></p>


### Fittings in **U24X**

	<p><b>Flat angle</b></p>	<p><b>73210-2</b></p>	<p><b>73221-2</b></p>
	<p><b>External angle</b></p>	<p><b>73260-2</b></p>	<p><b>73271-2</b></p>
	<p><b>Internal angle</b></p>	<p><b>73310-2</b></p>	<p><b>73321-2</b></p>
	<p><b>End cover</b></p>	<p><b>73360-2</b></p>	<p><b>73371-2</b></p>
	<p><b>Joint cover piece</b></p>	<p><b>73510-2</b></p>	<p><b>73521-2</b></p>
	<p><b>Straight derivation</b> Branching to a trunking of equal height</p>		<p><b>73421-2</b></p>

### Accessories in **U24X**

	<p><b>Retainer</b></p>	<p><b>73850</b></p>	<p><b>70064</b></p>
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### Fixing elements in **U63X**

	<p><b>Trunking plug</b> Note: Use drill bit Ø6 mm.</p>	<p><b>25106</b></p>
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Note: Trunkings with perforated base every 250 mm. A pre-mounted retainer is included every 0.5m.

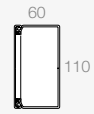


40x90

60x60

60x90

60x110



**30022-2**

**30031-2**

**30032-2**

**30033-2**

**73222-2**

**73231-2**

**73232-2**

**73233-2**

**73272-2**

**73281-2**

**73282-2**

**73283-2**

**73322-2**

**73331-2**

**73332-2**

**73333-2**

**73372-2**

**73381-2**

**73382-2**

**73383-2**

**73522-2**

**73531-2**

**73532-2**

**73533-2**

**73422-2**

**73432-2**

**73433-2**


**70094**

**70064**






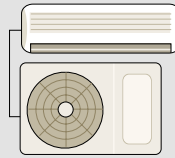






















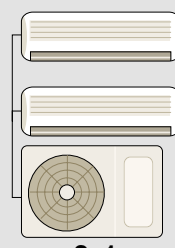











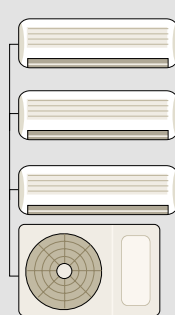




**70094**




**70114**

**25106**

See next page 

### Installation possibilities of several types of pipes

		Copper tube + insulation thickness 9 mm. or pre-insulated copper tube					
		40x60	40x90	60x60	60x90	60x110	
Cooper tubes combinations							
Liquid	Gas	30021-2	30022-2	30031-2	30032-2	30033-2	
 <b>1x1</b>	1/4"	3/8"					
	1/4"	1/2"					
	1/4"	5/8"					
	3/8"	5/8"					
	3/8"	3/4"					
 <b>2x1</b>	1/4"	3/8"					
	1/4"	1/2"					
	1/4"	5/8"					
	3/8"	5/8"					
	3/8"	3/4"					
 <b>3x1</b>	1/4"	3/8"					
	1/4"	1/2"					
	1/4"	5/8"					
	3/8"	5/8"					
	3/8"	3/4"					

				
<b>Pipe pair (liquid-gas)</b>	<b>Waste pipe Ø20 mm.</b>	<b>The pipes insulator must be compressed</b>	<b>Recommended installation</b>	<b>Only for straight sections</b>

NOTE: Trunking part no. 73110-2 (30x40) is suitable to carry waste and cooling pipes separately.

Data contained in this table are merely indicative.

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Cable conduction  
system for  
HVAC

# Trunking 31

raw material  
colour

**U23X**

White



## For fixing and connecting pipes in split type air conditioning systems

- Innovative design that facilitates the handling of pipes and speeds up the air conditioning system assembly process.
- Solid mounting bases that make the system more secure.
- Robust, rectilinear-shaped system that guarantees an aesthetically pleasing, durable finishing.
- It does not scratch or get dirty during transport and installation due to the protective film.
- Standard white trunking that you can customize as you please by painting the desired colour, using any brand available in the market.
- Easy and fast to paint due to its porous touch, achieved through our formulated raw material.

## Raw material



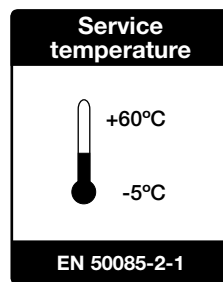
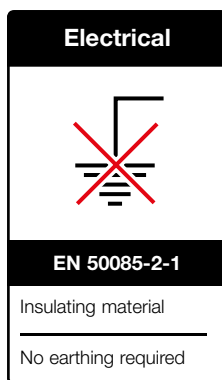
Trunking

Fittings

Compliant



## Technical characteristics

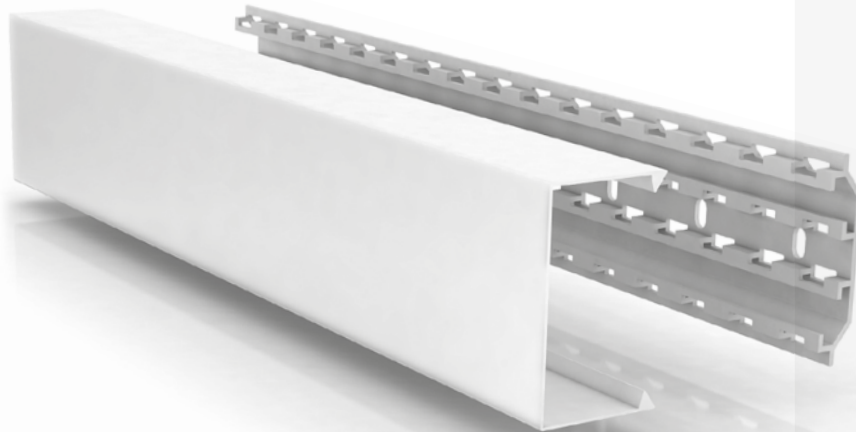


Trunking

31

U23X

White



Length

2 m

Colour

White

RAL 9010

Conformity declaration



See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)



Work spaces: office



Apartment building renovation



Housing



Work spaces: shop

## Two assembly systems to choose from, depending on the base

### Detachable strip for HVAC with pre-cuts

---

- Freedom to choose the length of the base without needing to cover the whole wall section.
- Easy to measure and align the sections without using tools.
- Good finishing system, because it absorbs the wall unevenness.



### Single base plate for HVAC

---

- A solid piece for each cover width, which ensures system robustness.
- No need to alter or cut the base to install it.
- Fast assembly, because the base is directly positioned on the wall following the straight level line marked previously on the wall.





# Easy to install pipes and cables

- Possibility of choosing the most suitable Unex cable ties dimension, up to 7.6 mm width, ensuring the anchoring of pipes and cables.
- The base slots allow new cable ties to be placed without disassembling material already installed.
- The fastening of pipes and cables is completely independent.



## C-shape cover for HVAC

- Rectilinear design that integrates with the construction elements, giving the system a nice finishing.
- Its rigidity ensures good anchoring to the base and prevents deformations.
- A single part number for the two types of base.

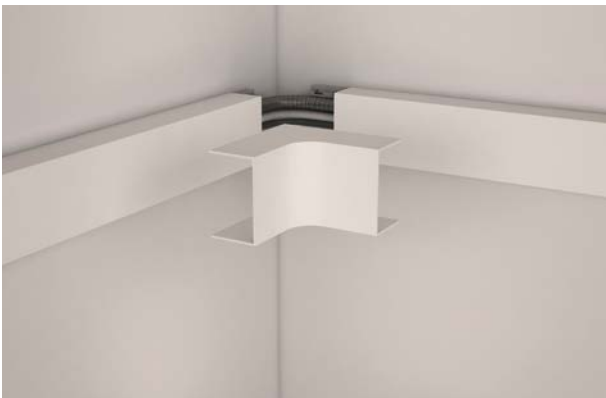


## Fittings

- Robust, single piece design, assembled above the cover, hiding the cuts.
- Greater length of the fittings to better adapt to the cover and absorb the wall unevenness.



## System security



Fittings with bending radii suitable for the laying of the pipes that guarantee a correct function of the installation.

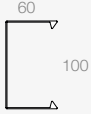








End cover with screws allowing safe assembly in any position.

Trunking sizes (mm)

45x75

60x100

	Grey RAL 7035 (ref. 31XXX-04) White RAL 9010 (ref. 31XXX-02)		
	<b>Detachable strip</b> 2 m	<b>31075-04</b>	<b>31100-04</b>
	<b>Single base plate</b>	<b>31175-04</b>	<b>31101-04</b>
	<b>C-shape cover</b> 2 m	<b>31021-02</b>	<b>31033-02</b>
	<b>Flat angle</b>	<b>31221-02</b>	<b>31233-02</b>
	<b>External angle</b>	<b>31271-02</b>	<b>31283-02</b>
	<b>Internal angle</b>	<b>31321-02</b>	<b>31333-02</b>
	<b>End cover</b>	<b>31371-02</b>	<b>31383-02</b>
	<b>Joint cover piece</b>	<b>31521-02</b>	<b>31533-02</b>
	<b>T-joint</b>		<b>31433-02</b>
	<b>Wall bend duct</b>	<b>31610-02</b>	<b>31623-02</b>
	<b>Wall duct</b>	<b>31670-02</b>	<b>31683-02</b>

# Installation possibilities for pipe combinations

Copper pipe + Insulating thickness 9 mm  
or  
Pre-insulated copper tube

40x75

60x110



 1x1	Diameter of copper pipes		 31075-04 + 31021-02	 31100-04 + 31033-02
	Liquid	Gas	 31175-04 + 31021-02	 31101-04 + 31033-02
	1/4"	3/8"		
 2x1	1/4"	3/8"		
	1/4"	1/2"		
	1/4"	5/8"		
 3x1	3/8"	5/8"		
	1/4"	3/8"		
 3x1	1/4"	1/2"		
	1/4"	3/8"		
 3x1	1/4"	1/2"		
	1/4"	3/8"		

Pair of pipes (liquid-gas)	Drain pipe Ø20 mm	The pipe insulator is compressed during assembly	Recommended installation	Only for straight sections

The information provided in this table is for indicative purposes only.

Unex aparellaje eléctrico, S.L. accepts no responsibility for the use of the table for calculations in connection with the installation.

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Cable management  
system for cabinets  
and equipment

# Slotted trunking

# 77

raw material

**U23X**

colour

**Grey**

**Blue**



77

Slotted  
trunking

## For cable conduction in electrical and communications cabinets

- Higher safety for the installation assured by **the trunking's sturdiness**.
- The cover is easy to mount and remove.
- **The cover will stay in place and will not slip in any mounting position.**
- No cutting tips or edges.
- Possibility to cut until the base for better branching.

## Raw material

U23X

Trunking

U24X





Retainers

U43X

Compliant



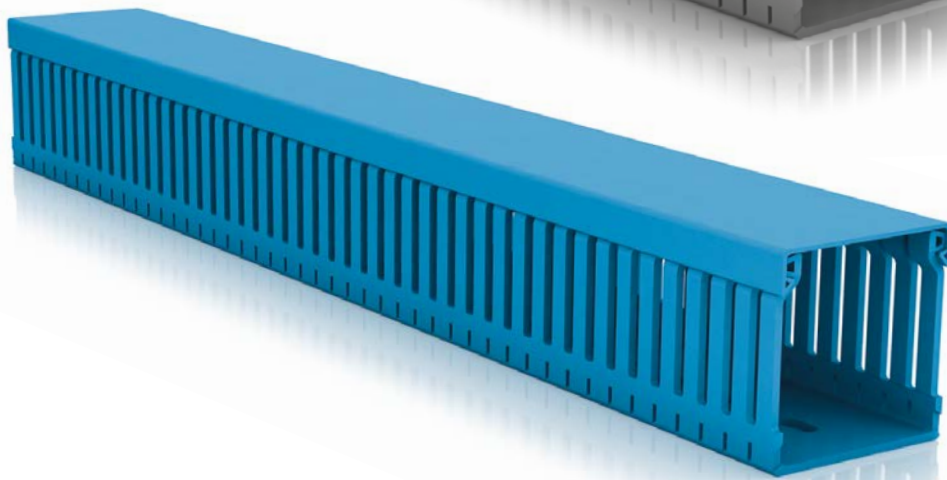
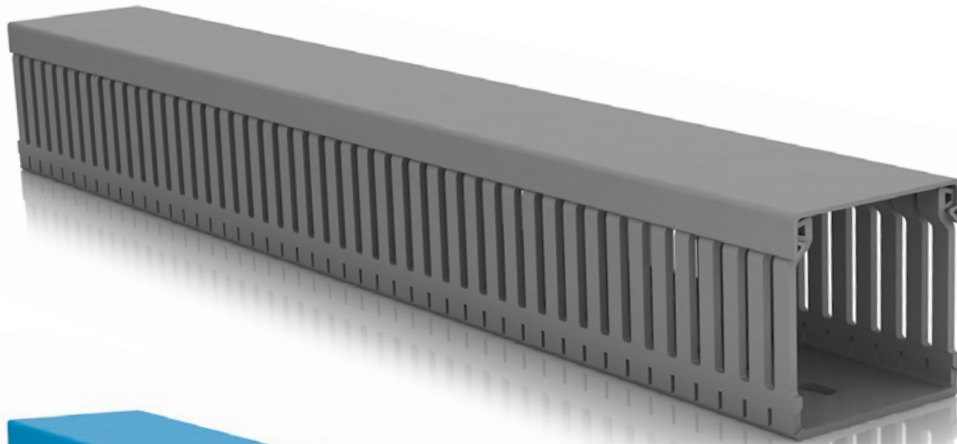
## Technical characteristics

Electrical	Maximum service temperature	Minimum transport and storage temperature	In front of fire
 <p><b>EN 50085-2-3*</b></p> <p>Insulating.</p> <hr/> <p>No earthing required.</p>	 <p><b>EN 50085-2-3*</b></p>	 <p><b>EN 50085-2-3*</b></p>	 <p>Glow-fire test at 960°C.</p> <hr/> <p>Non flame propagating.</p> <hr/> <p>Reaction to fire, Class M1 acc./ UNE 201010.</p> <hr/> <p>Flammability degree UL94: V0. Does not spread fire by dripping.</p>

\* BS EN 50085-2-3 is the UK implementation of EN 50085-2-3.

Slotted  
trunking

77 **U23X**  
Grey / Blue



Length

**2 m**

Colour

**Grey**

**RAL 7030**

**Blue**

**RAL 5012**

### Quality marks



### Approvals



Germanischer Lloyd



Bureau Veritas



Φ3 от 22.07.08 N 123-Φ3  
ГОСТ P 53313-2009

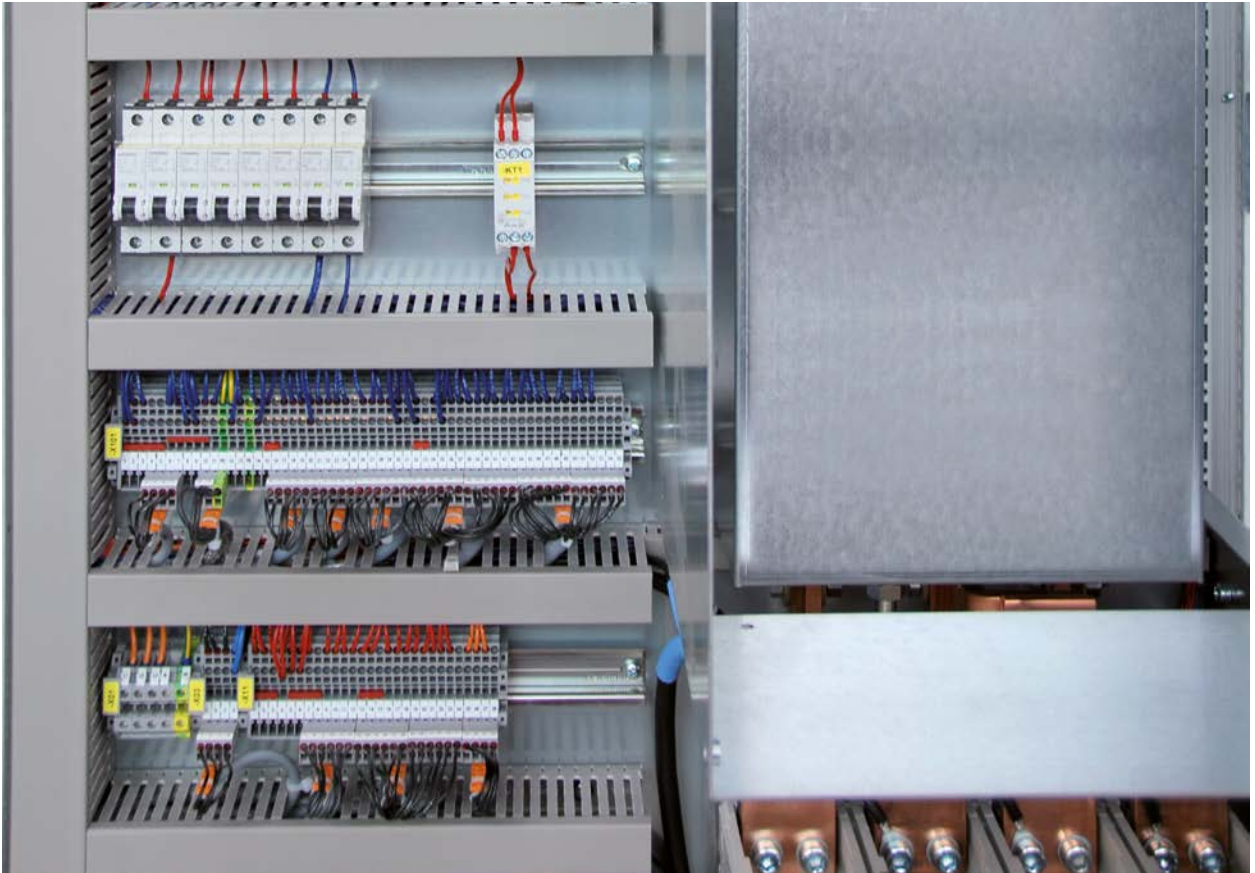


Canadian Standards Association

### Conformity declaration



See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)



Machinery industry



Machinery industry



Naval construction





Petrochemical industry



Petrochemical industry



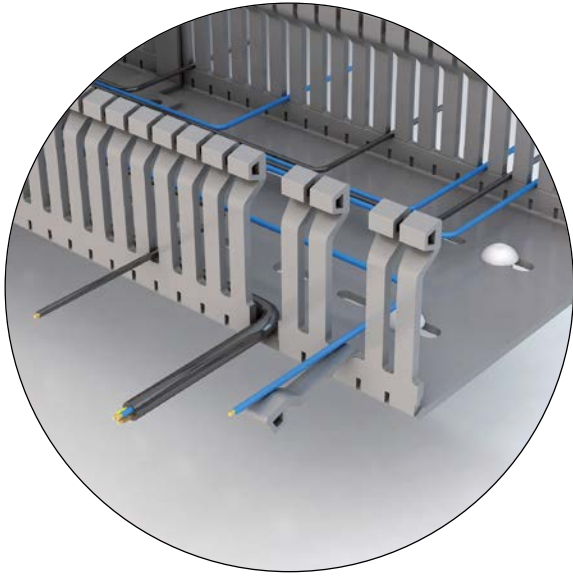
Water treatment

# 77

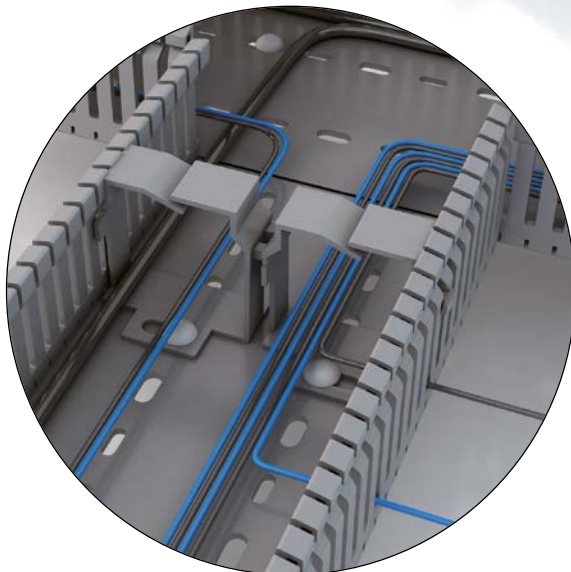
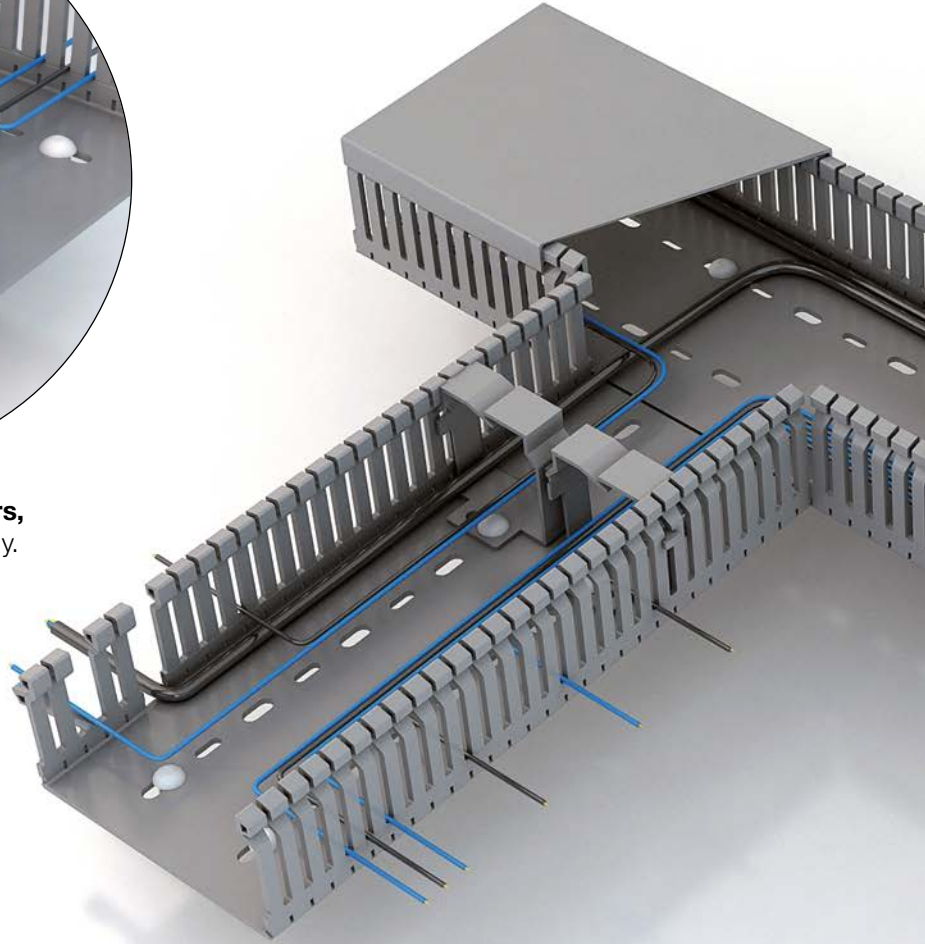
**U23X**  
Grey / Blue

Slotted  
trunking

## Easy mounting and maintenance

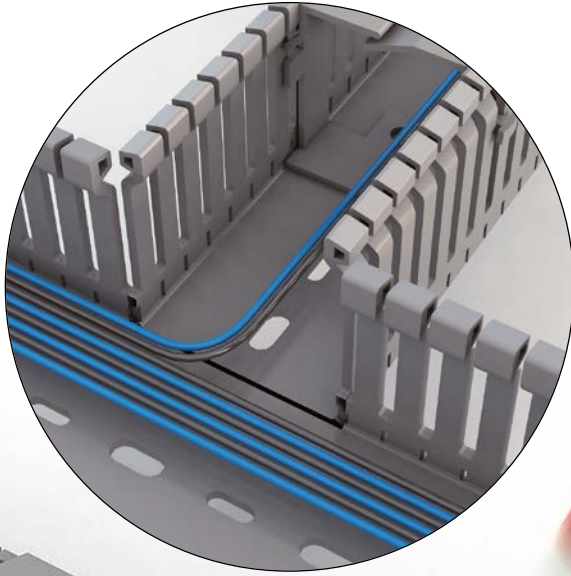


**Flexible and resistant fingers,**  
which do not break accidentally.

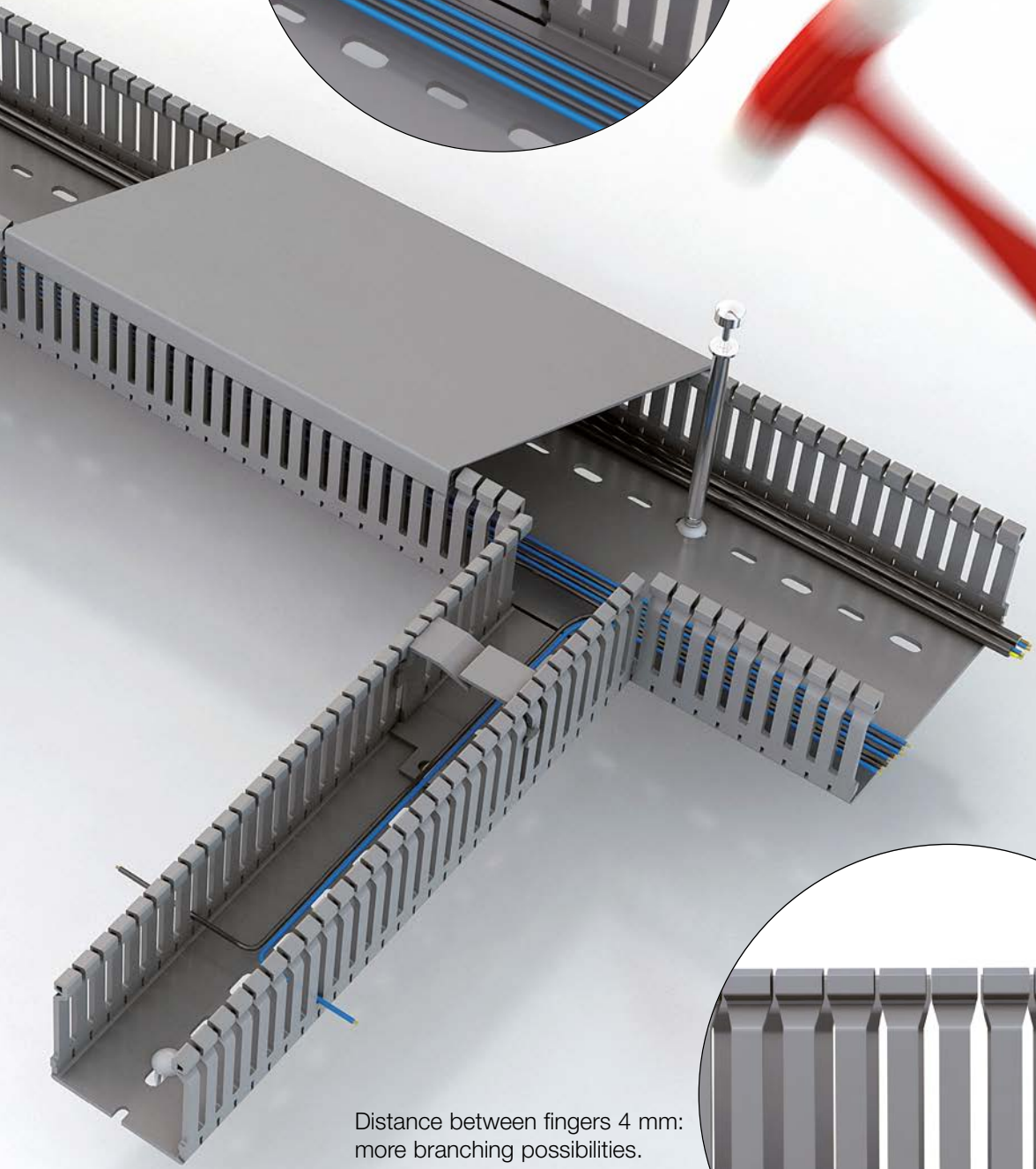


**Rigid cable retainer:** avoids deformations and allows circuit classification. Only 6 part numbers for 14 trunking sizes.

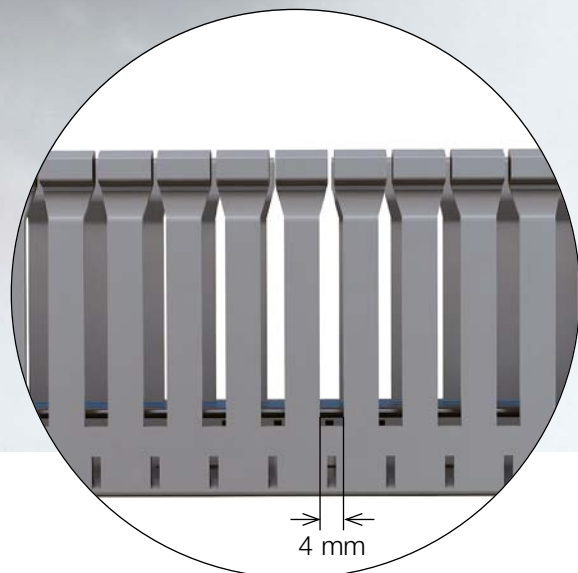




Clean cut of the sidewall to the base.  
Does not damage the cables insulation.  
Maximum branching room and cross-section.  
Quicker mounting and easier cable connections.



Distance between fingers 4 mm:  
more branching possibilities.



77

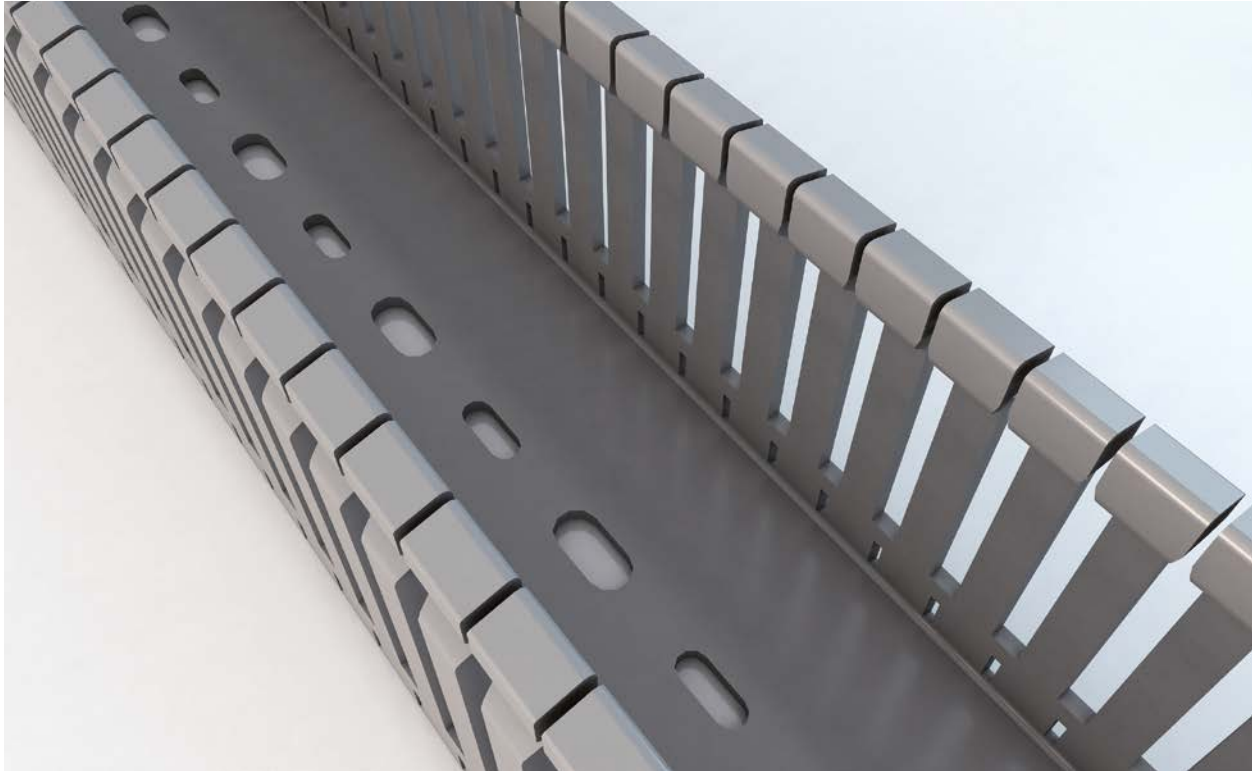
U23X  
Grey / BlueSlotted  
trunking

# A product with added value

## Burr-free slotted trunking

---

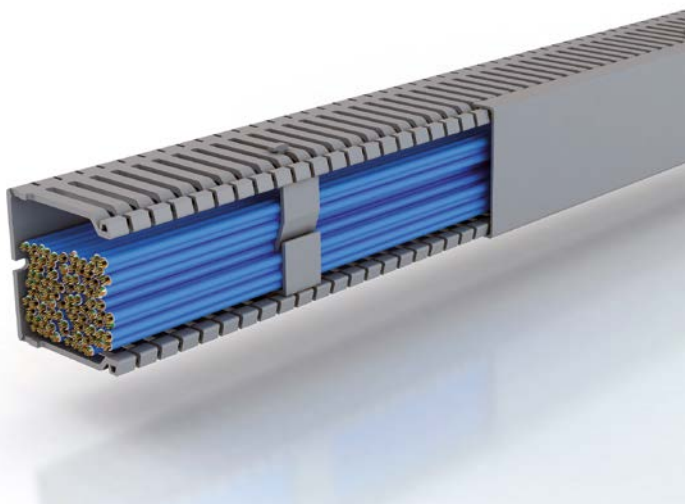
Smooth design, without burrs or sharp edges: does not damage the user's hand nor the cables during mounting. The cables insulation is not affected during transportation or in applications submitted to vibrations.



## Cover

---

Easy to mount and remove.



In horizontal position, the fingers do not bend and the cover does not fall.



In vertical position, the cover does not slide.

## Solid and sturdy trunking

Due to its solidity and sturdiness, the trunking can be suspended between rails. Few fixings required.



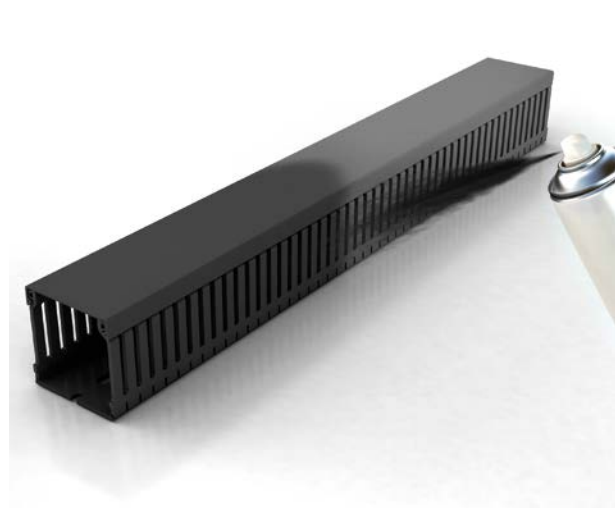
## Cable compactor

Only one part number for all trunking sizes: the retainer can be cut according to the trunking's width and can be fixed at any adjustable height.

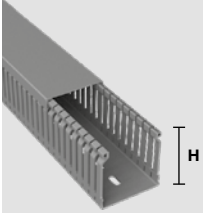



## Possibility to paint




Unex slotted trunkings can be painted with the most common paints.






Heights = 18, 25, 30 and 40 mm

		Slotted trunking width (mm)		20	30	40
		Grey RAL 7030				
	<b>Slotted trunking</b> 2 m	H = 18 mm	<b>18.20.77</b>			
		H = 25 mm	<b>25.20.77</b>			
		H = 30 mm		<b>30.30.77</b>		
		H = 40 mm	<b>40.20.77</b>	<b>40.30.77</b>	<b>40.40.77</b>	
	<b>Cable compactor</b> U43X		<b>40850</b>			




Height = 60 mm

		Slotted trunking width (mm)		20	30	40
	<b>Slotted trunking</b> 2 m H = 60 mm	<b>60.20.77</b>	<b>60.30.77</b>	<b>60.40.77</b>		
	<b>Cable retainer</b> U24X			<b>40864</b>		
	<b>Cable compactor</b> U43X		<b>40850</b>			

Height = 80 mm

		Slotted trunking width (mm)		20	30	40
	<b>Slotted trunking</b> 2 m H = 80 mm		<b>80.30.77</b>	<b>80.40.77</b>		
	<b>Cable retainer</b> U24X			<b>40884</b>		
	<b>Cable compactor</b> U43X		<b>40850</b>			

Height = 100 mm

		Slotted trunking width (mm)		20	30	40
	<b>Slotted trunking</b> 2 m H = 100 mm			<b>100.40.77</b>		
	<b>Cable retainer</b> U24X			<b>40894</b>		
	<b>Cable compactor</b> U43X			<b>40850</b>		



	60	80	100	120	150
	<b>40.60.77</b>				
	<b>40850</b>				

	60	80	100	120	150
	<b>60.60.77</b>	<b>60.80.77</b>	<b>60.100.77</b>	<b>60.120.77</b>	
	<b>40865</b>	<b>40864 + 40864</b>	<b>40864 + 40865</b>	<b>40865 + 40865</b>	
	<b>40850</b>				

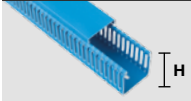
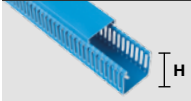


	60	80	100	120	150
	<b>80.60.77</b>	<b>80.80.77</b>	<b>80.100.77</b>	<b>80.120.77</b>	
	<b>40885</b>	<b>40884 + 40884</b>	<b>40884 + 40885</b>	<b>40885 + 40885</b>	
	<b>40850</b>				

	60	80	100	120	150
	<b>100.60.77</b>	<b>100.80.77</b>	<b>100.100.77</b>		<b>100.150.77</b>
	<b>40895</b>	<b>40894 + 40894</b>	<b>40894 + 40895</b>		
	<b>40850</b>				




77 **U23X**  
Grey/Blue

Slotted  
trunking

Height = 60 mm

		Slotted trunking width (mm)		
		30	40	60
 <p><b>Blue</b> RAL 5012</p>				
 <p><b>Slotted trunking</b> 2 m H = 60 mm</p>		<b>776040-06</b>	<b>776060-06</b>	
 <p><b>Cable retainer</b> <b>U24X</b></p>		<b>40864</b>	<b>40865</b>	
 <p><b>Cable compactor</b> <b>U43X</b></p>		<b>40850</b>		

Height = 80 mm

		Slotted trunking width (mm)		
		30	40	60
 <p><b>Slotted trunking</b> 2 m H = 80 mm</p>		<b>778030-06</b>	<b>778040-06</b>	<b>778060-06</b>
 <p><b>Cable retainer</b> <b>U24X</b></p>		<b>40884</b>	<b>40885</b>	
 <p><b>Cable compactor</b> <b>U43X</b></p>		<b>40850</b>		



80

100

120

150




80

100

120

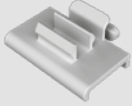

150

778080-06	7780100-06	7780120-06	
40884 + 40884	40884 + 40885	40885 + 40885	
40850			

See next page 

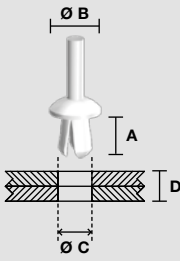
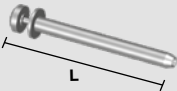
# Functional and mounting elements for Slotted trunking 77

## Fittings

	<b>Label-holder profile support</b> <b>U43X</b>	<b>40801 (1)</b>
	<b>Label-holder profile</b> 2 m <b>U23X</b>	<b>40802 (1)</b>

(1) Except for part no. 18.20.77 and 100.150.77.

## Fixing elements in **UGOX**


	<b>Translucent</b>	
	A = 6 mm Ø B = 6 mm Ø C = 3.0-3.25 mm D = 1-3 mm	<b>1303 (1)</b>
	A = 8 mm Ø B = 11 mm Ø C = 5.1-5.25 mm D = 2-5 mm	<b>1305</b>
	A = 12 mm Ø B = 11 mm Ø C = 6.1-6.5 mm D = 5-9 mm	<b>1309</b>
	A = 21 mm Ø B = 11 mm Ø C = 6.1-6.5 mm D = 10-18 mm	<b>1318</b>
	Riveting tool: can be used with part no. 1305, 1309 and 1318 L = 225 mm	<b>1300</b>
	Riveting tool: can be used with part no. 1303 L = 120 mm	<b>1301</b>

(1) To fix labels. Do not use to fix trunkings.

## Tools

	<b>Cutting tool</b> To cut the main trunking	<b>40902 (1)</b>
---	---	------------------

(1) Cut at 90° for trunkings width ≤ 60 mm Cut at 45° for trunkings width ≤ 40 mm.

See next page 

# Sizes (mm)

Part. no.	RAL 7030		RAL 5012		Fixing holes type	Pack m
	GREY	BLUE	A	B		
18.20.77			18	20	1	80
25.20.77			25	20	1	60
30.30.77			33	30	1	60
40.20.77			42	20	1	72
40.30.77			42	30	1	48
40.40.77			42	43	1	32
40.60.77			42	60	1	24
60.20.77			60	20	1	48
60.30.77			60	30	1	36
60.40.77		776040-06	60	43	1	32
60.60.77		776060-06	60	60	1	32
60.80.77			60	80	2	32
60.100.77			60	100	2	12
60.120.77			60	120	2	12
80.30.77		778030-06	80	30	1	28
80.40.77		778040-06	80	43	1	24
80.60.77		778060-06	80	60	1	24
80.80.77		778080-06	80	80	2	24
80.100.77		7780100-06	80	100	2	12
80.120.77		7780120-06	80	120	2	12
100.40.77			100	43	1	16
100.60.77			100	60	1	16
100.80.77			100	80	2	16
100.100.77			100	100	2	8
100.150.77			100	150	3	8

Material: U23X

\* BS EN 50085-2-3 is the UK implementation of EN 50085-2-3.

# Useful cross-sections (mm<sup>2</sup>)


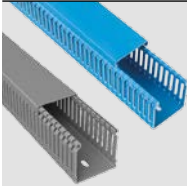







## Recommended cable capacities

Part no.		Grey RAL 7030													
		18x20		25x20		33x30		42x20		42x30		42x43		42x60	
		18.20.77	25.20.77	30.30.77	40.20.77	40.30.77	40.40.77	40.60.77							
		234	322	728	586	940	1460	2112							
Cables V250 Number of cables (Filling ratio 1.5)*	0.5 mm <sup>2</sup>	43	53	116	96	154	237	346							
	0.75 mm <sup>2</sup>	28	35	77	63	102	157	229							
Cables H05/07 V-K Number of cables (Filling ratio 1.5)*	1 mm <sup>2</sup>	18	23	50	41	66	102	150							
	1.5 mm <sup>2</sup>	14	17	37	30	49	75	110							
	2.5 mm <sup>2</sup>	9	12	26	21	34	52	76							


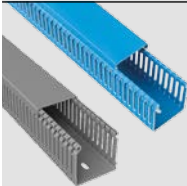






\* Note: For other types of cables, the necessary section results from the application of the following formula: Section = Cable section x no. of cables x 1.5.

See next page


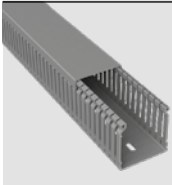





Sizes (mm)    60x20    60x30    60x43    60x60    60x80    60x100    60x120

Part no.		60.20.77	60.30.77	60.40.77 776040-06	60.60.77 776060-06	60.80.77	60.100.77	60.120.77
	<b>RAL 7030 / RAL 5012</b>							
		 870	 1387	 2137	 3092	 4225	 5362	 6380
Cables H05/07 V-K Number of cables (Filling ratio 1.5)*	1 mm <sup>2</sup>	62	98	150	219	299	384	450
	1.5 mm <sup>2</sup>	45	72	111	161	220	283	331
	2.5 mm <sup>2</sup>	32	50	77	112	153	196	230
	4 mm <sup>2</sup>	25	40	61	89	122	157	184
	6 mm <sup>2</sup>	14	23	35	51	70	90	106

Sizes (mm)    80x30    80x43    80x60    80x80    80x100    80x120

Part no.		80.30.77 778030-06	80.40.77 778040-06	80.60.77 778060-06	80.80.77 778080-06	80.100.77 7780100-06	80.120.77 7780120-06
	<b>RAL 7030 / RAL 5012</b>						
		 1865	 2874	 4128	 5630	 7177	 8572
Cables H05/07 V-K Number of cables (Filling ratio 1.5)*	1 mm <sup>2</sup>	132	203	291	399	504	606
	1.5 mm <sup>2</sup>	97	149	215	293	371	446
	2.5 mm <sup>2</sup>	68	104	149	204	258	309
	4 mm <sup>2</sup>	54	83	118	162	206	247
	6 mm <sup>2</sup>	31	47	68	92	118	142

Sizes (mm)    100x43    100x60    100x80    100x100    100x150

Part no.		100.40.77	100.60.77	100.80.77	100.100.77	100.150.77
	<b>RAL 7030</b>					
		 3585	 5179	 7110	 9000	 13450
Cables H05/07 V-K Number of cables (Filling ratio 1.5)*	1 mm <sup>2</sup>	253	366	502	633	994
	1.5 mm <sup>2</sup>	186	271	369	465	732
	2.5 mm <sup>2</sup>	129	188	257	324	508
	4 mm <sup>2</sup>	103	149	204	258	402
	6 mm <sup>2</sup>	59	85	117	148	201

\* Note: For other types of cables, the necessary section results from the application of the following formula:  
Section = Cable section x nr. cables x 1.5.



Cable conduction  
system for machinery  
supply

# Trunking

# 07

raw material

**U23X**

colour

**Grey**

# 07

**U23X**

Grey

Trunking

## For machinery supply

- Aesthetic integration with the elements of the installation.
- Insulating material.

## Raw material

**U23X**


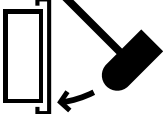
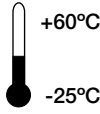
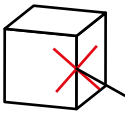

Trunking



Compliant

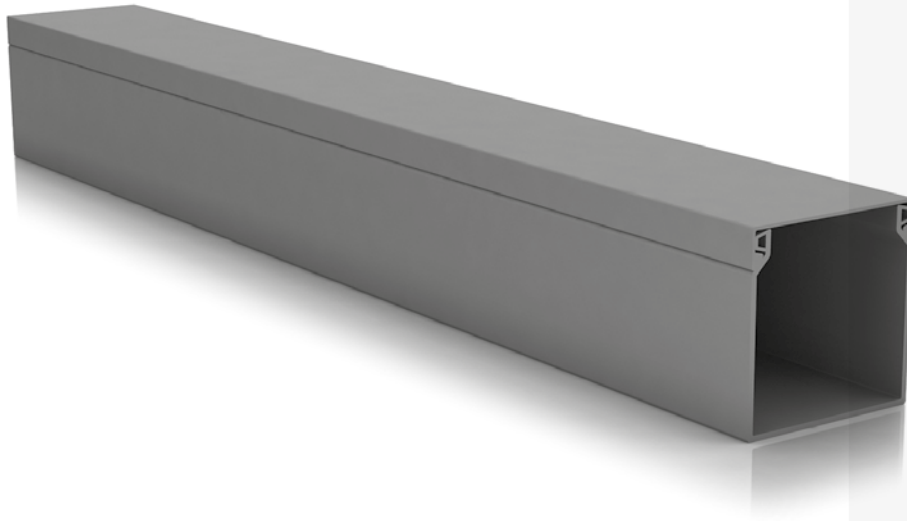


## Technical characteristics

Electrical	Mechanical	Service temperature	Protection degree	In front of fire
				
<b>EN 50085-2-1*</b>	<b>EN 50085-2-1*</b>	<b>EN 50085-2-1*</b>	<b>EN 50085-2-1*</b>	
Insulating material. No earthing required.	IK04.		IP3X. Removable without the aid of a tool.	Glow-wire test 960°C. Non flame propagating. Reaction to fire, Class M1 acc./ UNE 201010. Flammability degree UL94: V0. Does not spread fire by dripping.

\* BS EN 50085-2-1 is the UK implementation of EN 50085-2-1.





Length

**2 m**

Colour

**Grey**

**RAL 7030**

Quality marks



Approvals



Germanischer Lloyd



Bureau Veritas

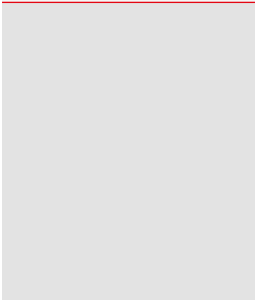




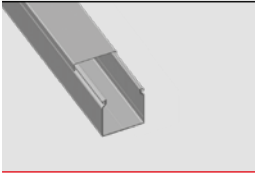
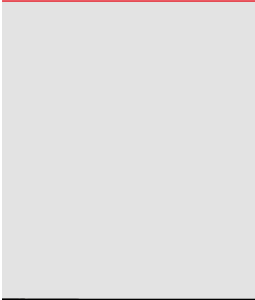
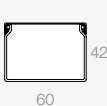

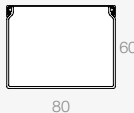
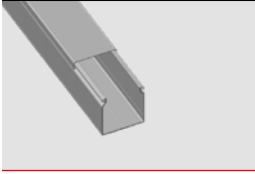
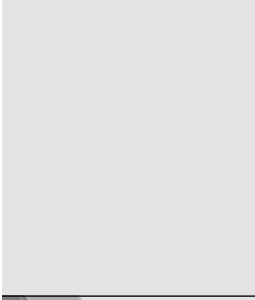


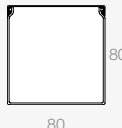

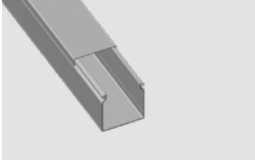


Canadian Standards Association

Conformity declaration

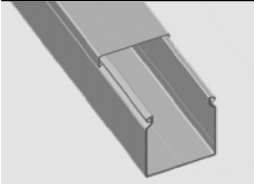







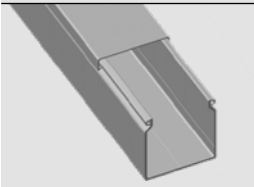




See updated technical information of each part number on [www.unex.net](http://www.unex.net)

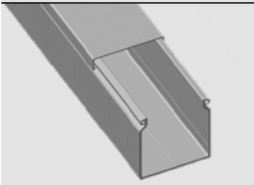



		Trunking sizes (mm)			
		25x20	33x30	42x30	42x43
	<p>Grey RAL 7030</p>				
	<p><b>Trunking</b> 2 m</p>	<b>25.20.07</b>	<b>30.30.07</b>	<b>40.30.07</b>	<b>40.40.07</b>
		Trunking sizes (mm)			
		42x60	60x60	60x80	60x100
	<p>Grey RAL 7030</p>				
	<p><b>Trunking</b> 2 m</p>	<b>40.60.07</b>	<b>60.60.07</b>	<b>60.80.07</b>	<b>60.100.07</b>
		Trunking sizes (mm)			
		60x120	80x60	80x80	80x120
	<p>Grey RAL 7030</p>				
	<p><b>Trunking</b> 2 m</p>	<b>60.120.07</b>	<b>80.60.07</b>	<b>80.80.07</b>	<b>80.120.07</b>

## Useful cross-sections (mm<sup>2</sup>)



Part no.	Sizes (mm)	25x20	33x30	42x30	42x43	42x60
<b>Grey</b> RAL 7030		<b>25.20.07</b>	<b>30.30.07</b>	<b>40.30.07</b>	<b>40.40.07</b>	<b>40.60.07</b>
		 322	 728	 940	 1460	 2112

Part no.	Sizes (mm)	60x60	60x80	60x100	60x120
<b>Grey</b> RAL 7030		<b>60.60.07</b>	<b>60.80.07</b>	<b>60.100.07</b>	<b>60.120.07</b>
		 3092	 4225	 5362	 6380

Part no.	Sizes (mm)	80x60	80x80	80x120
<b>Grey</b> RAL 7030		<b>80.60.07</b>	<b>80.80.07</b>	<b>80.120.07</b>
		 4128	 5630	 8572





Cable conduction  
and protection  
system

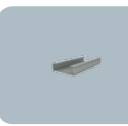
# Insulating cable tray halogen free

# 66

raw material  
colour

**U48X**

**Grey**



# 66

U48X

Grey

Insulating cable tray  
halogen free

For support, protection and conduction of cables

- Excellent equipment protection.
- **Suitable for outdoor use.**
- Designed to support full load.
- Maintains its features up to 90°C.
- Inherently resistant to humid and saline corrosion.

Raw material

U48X

Cable trays and elements



Compliant



Technical characteristics

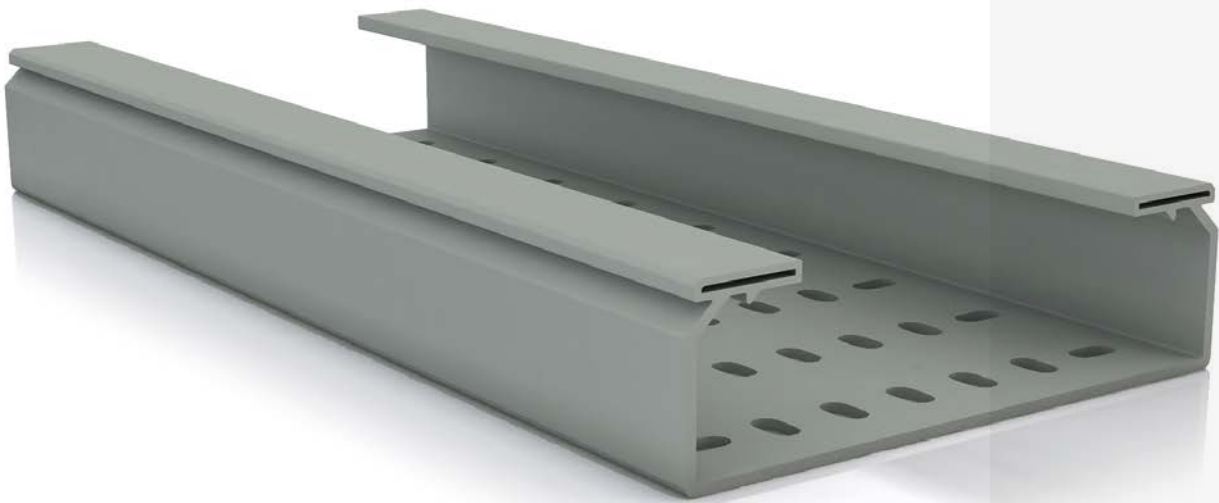
Electrical	Mechanical	Service temperature	Outdoors	In front of fire
<b>IEC 61537*</b>	<b>IEC 61537*</b>	<b>IEC 61537*</b>		
Insulating material. No earthing required.	20 J at -20°C (except 60x100: 10 J). IK10 acc./ EN 50085-2-1 (cable tray with cover).		Good performance outdoors and with exposure to UV rays.	Glow-wire test at 960°C. Non flame propagating. Flammability test UL94: V0 (test thickness sample: 3.2 mm).

\* The values indicated according to IEC 61537 have been tested under the equivalent standard EN 61537. BS EN 61537 is the UK implementation of EN 61537 and IEC 61537.



Insulating cable tray  
halogen free

**66** **U48X**  
Grey



Length

**3 m**

Colour

**Grey**

**RAL 7038**

Non perforated  
or perforated base

Conformity declaration



See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)

# 66

U48X

Grey

Insulating cable tray  
halogen free



Photovoltaics: central bus station roof



Industrial building: dressing room



Railway infrastructure: tunnel





Photovoltaics



Road infrastructure: tunnel

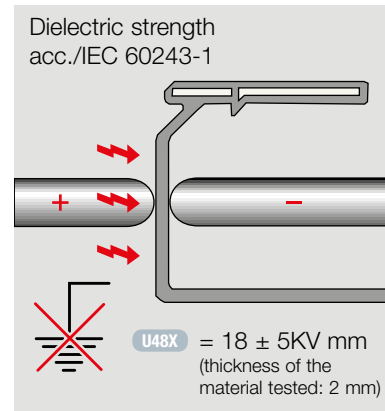
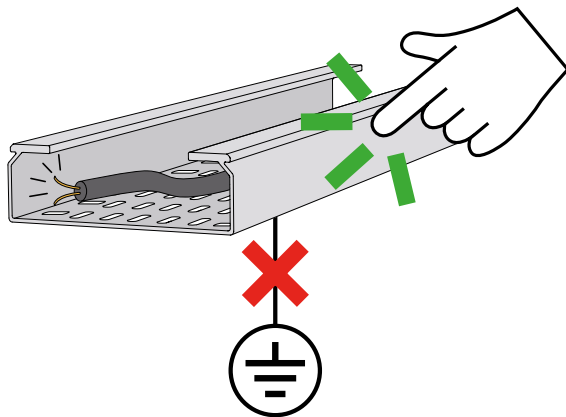


Power generation and distribution

## Higher safety for the installation

Insulating material: increased protection for people and cables

Provides additional insulation for people and cables, which remains unaltered in the course of time.



Insulating material:

Advantages	Benefits
<p>Avoids creepage towards the conducting element:</p> <ul style="list-style-type: none"> <li>• Risk of indirect contacts with the conducting element is reduced.</li> <li>• Possible sources of fire are reduced.</li> <li>• No need to earth the conducting element.</li> <li>• Avoids hot spots and electrical arcs between cables and cable tray.</li> </ul>	<p>Increased protection for people and cables.</p>
<p>Increased protection against indirect contacts: Provides an insulating enclosure:</p> <ul style="list-style-type: none"> <li>• Protection degree IP3X/IP2X: Cable tray + cover.</li> <li>• Protection degree IP3XD: Non perforated cable tray + cover + joint cover piece + flat corners and semi T cover.</li> </ul>	
<p>No earthing required:</p> <ul style="list-style-type: none"> <li>• No maintenance.</li> </ul>	<p>Cost savings due to the ease of the installation, project management and maintenance.</p>



## Good resistance to humid and saline corrosion

The raw material assures excellent behaviour in front of corrosion; this feature is inherent, **it is not achieved by applying a coating to the final product.**

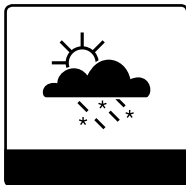
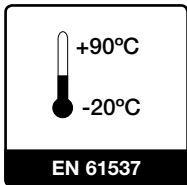
Therefore, the corrosion protection remains unchanged:

- In the course of time.
- After cutting and manual processing the material in the worksite.



## Outdoor behaviour

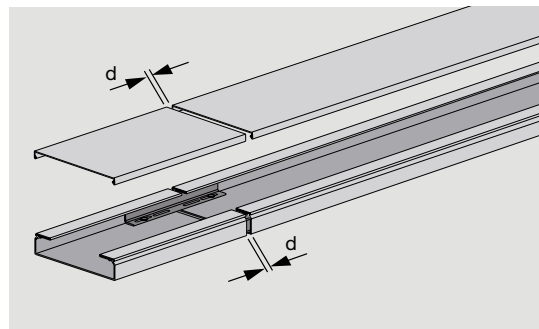
Unex raw material is formulated to achieve good resistance to outdoors.



- Unex insulating cable trays are designed to absorb linear expansion. The “**d**” distance between two lengths varies depending on the difference between the maximum temperature and the installation temperature.

Separation between lengths	
$\Delta T$ (°C)	d (mm)
20	5
30	7
40	9
50	11

$\Delta T = T_{\max} - T_{\text{inst.}}$



66

U48X

Grey

Insulating cable tray  
halogen free

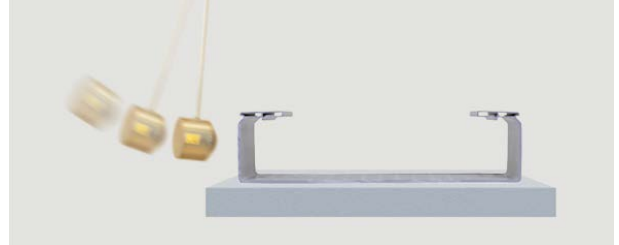
## High impact absorption

### Impact test acc./IEC 61537\* at the minimum declared temperature.

Unex designs its cable trays to avoid impact damage at their lowest declared temperature (-20°C).

Impact resistance	Minimum temperature
20 J	-20°C

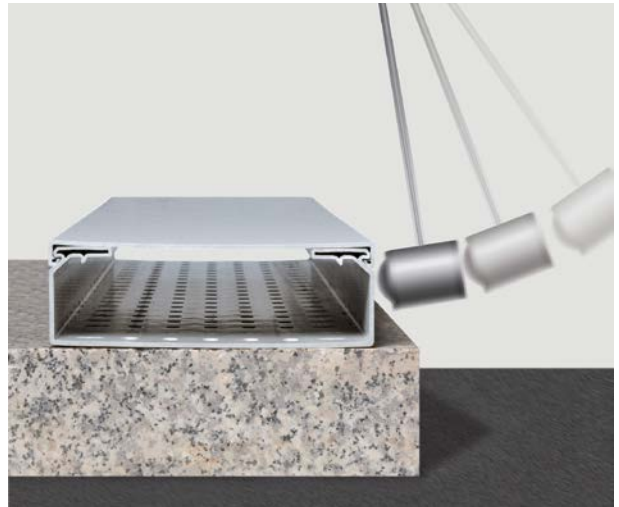
Except part numbers 66100-48 and 66101-48 (10J).



### Impact test acc./EN 50085-1\*

Unex insulating cable tray with cover, by complying with the European Standard EN 50085-2-1\*, is considered a protecting enclosure (trunking).

Impact test for trunkings: IK10 (with cover fixing).



## Reaction to fire

Our own formulation of the raw material is designed to obtain better results than standard ones. Unex cable tray passes the flammability and flame-propagation tests included in IEC 61537\* with the best classification achievable for organic materials.



### Glow-wire test IEC 61537\*.

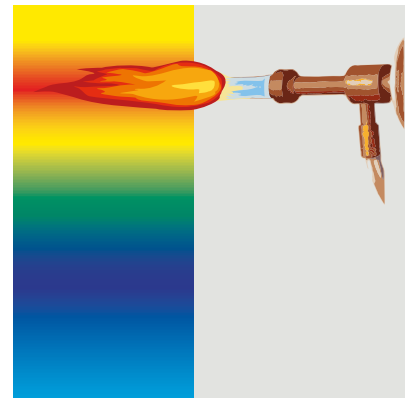
Test measuring the material's flammability by overheating a conductor.



### Non-flame propagating IEC 61537\*.

Test measuring flame spread caused by electrical ignition sources.

**Flammability test UL94: V0**  
(thickness of the material tested: 3.2 mm).



### No heat propagation.

As a result of the low thermal conductivity of insulating materials, no hot spots are generated away from the fire source.

\* BS EN 61537 is the UK implementation of EN 61537 and IEC 61537.

\* BS EN 50085-1 is the UK implementation of EN 50085-1.

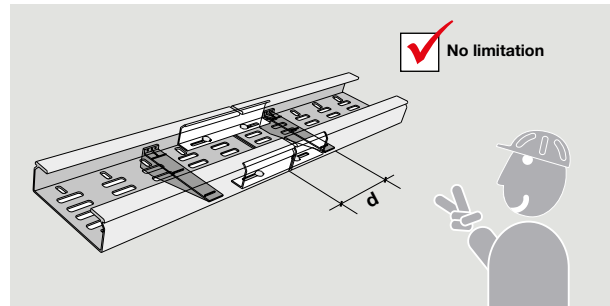


## Designed to work at 100% cable capacity

### Safe working load test **Type I acc./IEC 61537\***

- Longitudinal deflection < 1% and transverse deflection < 5%.
- Safety coefficient **1.7**.

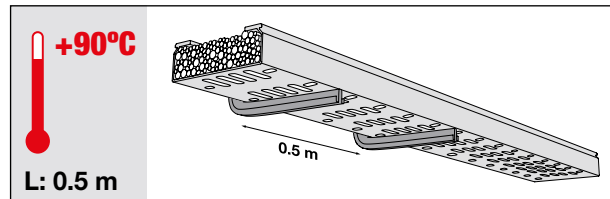
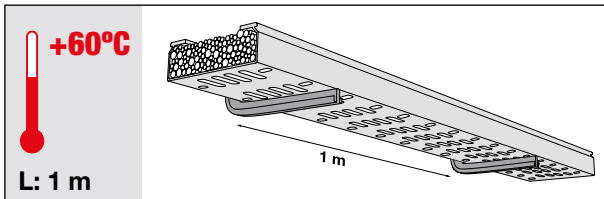
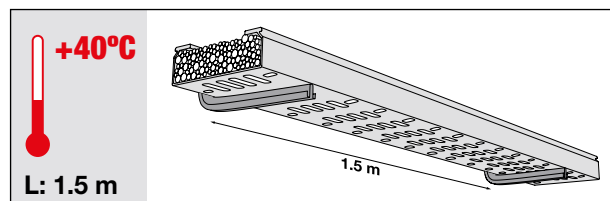
Allows placing the junctions at any point between two brackets, assuring the safe admissible load.



## Type I full load

### Higher safety for the installation.

Simplification of the calculations on cable management system design, execution and control of the installation. Load resistance in future extension of the installation.



## Safe working load (SWL) in (kg/m) or (N) acc/ IEC 61537\*

Sizes (mm)	60x100	60x200	60x300	100x400	100x600
<b>Admissible load (Kg/m) SWL</b>	<b>10.8</b>	<b>22.5</b>	<b>33.7</b>	<b>77.2</b>	<b>116.5</b>
<b>Admissible load (N) SWL</b>	<b>105</b>	<b>220</b>	<b>330</b>	<b>756</b>	<b>1141</b>

For cable trays of width  $\geq 300$  mm the use of a base union is necessary to comply with the requirements of full load transverse deflection defined by international cable trays Standard IEC 61537.

## Packaging

A packaging designed to protect the product's characteristics during transport and storage, until the moment of final use.



\*BS EN 61537 is the UK implementation of EN 61537 and IEC 61537.

# 66

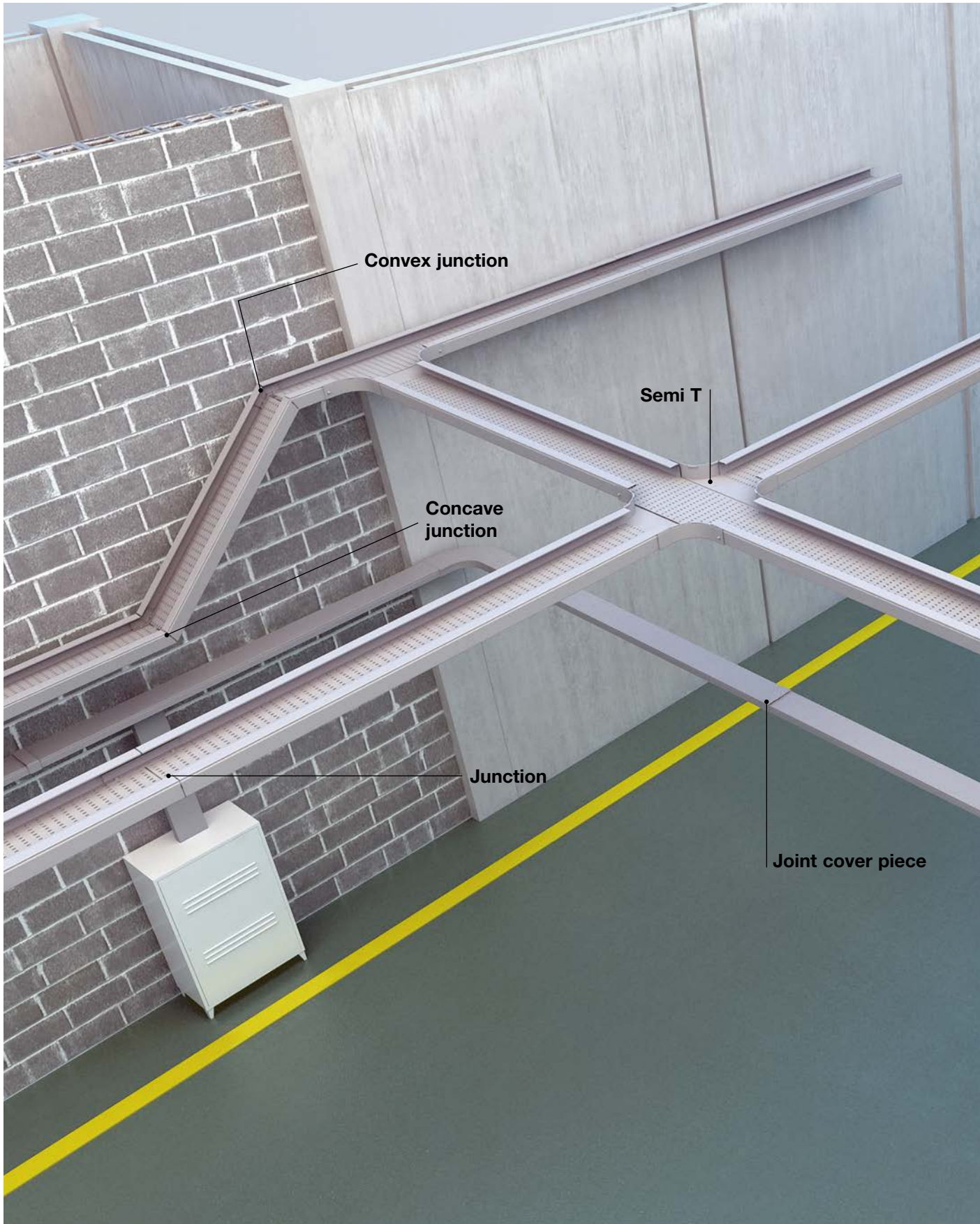
U48X

Grey

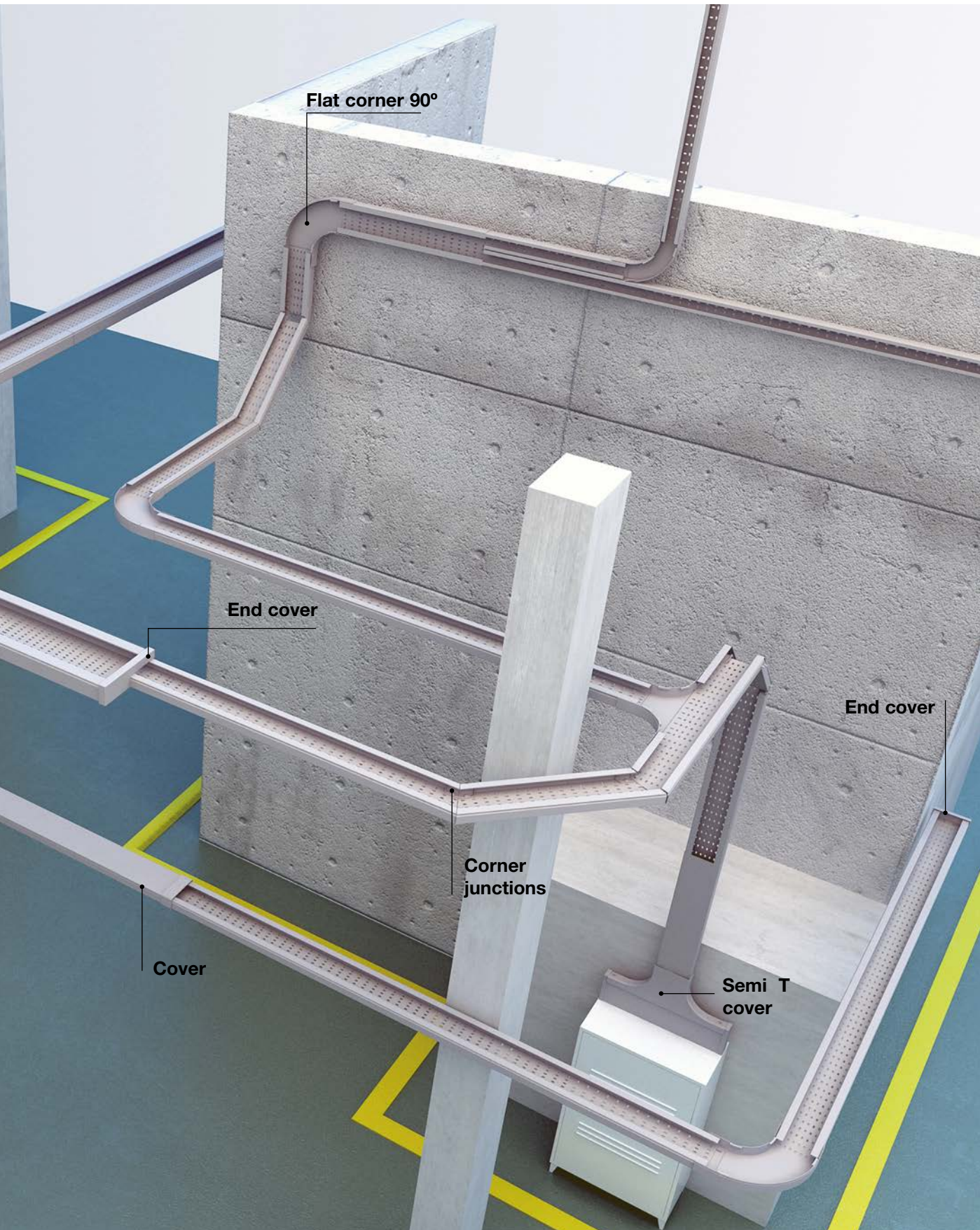
Insulating cable tray  
halogen free

## Elements for cable conduction

Safe, easy and quick mounting









66

U48X

Grey

Insulating cable tray  
halogen free

## Supporting elements

U48X

Temperature	≤ 40°C	≤ 60°C	≤ 90°C
Distance between brackets (L)	1.5 m	1 m	0.5 m

### Wall

#### Directly (1 level)



#### Horizontal supports in:

- U48X insulating.
- SST. AISI 304 with grey epoxy coating.
- Galvanized steel with grey epoxy coating.



#### L bracket in:

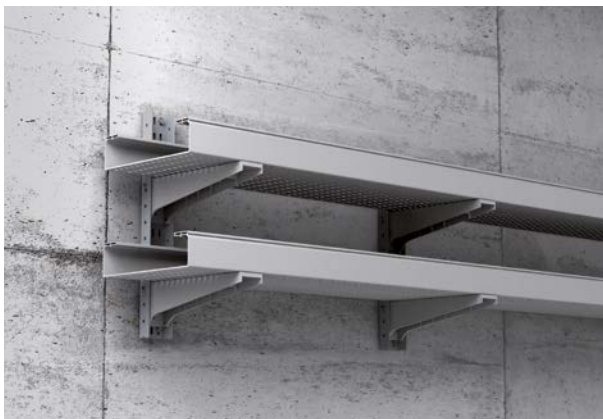
- Steel sendzimir.
- Galvanized steel with grey epoxy coating.



#### Insulating vertical support in U48X

Just one piece: added safety.

#### By means of a profile (several levels)



#### Perforated U profile in:

- SST. AISI 304 with grey epoxy coating.
  - Galvanized steel with grey epoxy coating.
- With insulating horizontal supports in U48X.



#### Perforated Ω profile in:

- SST. AISI 304 with grey epoxy coating.
  - Galvanized steel with grey epoxy coating.
- With insulating horizontal supports in U48X and/or metallic.

## Ceiling



### Two L brackets in:

- Steel sendzimir.
- Galvanized steel with grey epoxy coating.



### Metallic perforated U profile in:

- SST. AISI 304 with grey epoxy coating.
  - Galvanized steel with grey epoxy coating.
- With insulating horizontal supports in **U48X**.



### Metallic perforated $\Omega$ profile in:


- SST. AISI 304 with grey epoxy coating.
- Galvanized steel with grey epoxy coating.

With insulating horizontal supports in **U48X** and/or metallic.




## Floor



**Insulating vertical support** in **U48X** .

Just one piece: added safety.

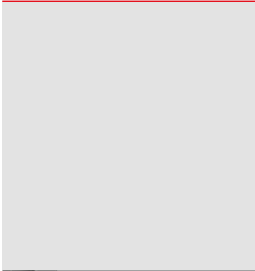





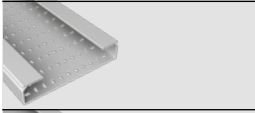


 Trays must be fixed to the insulating vertical supports by means of metal screws in every mounting layout.

# 66


**U48X**

Grey

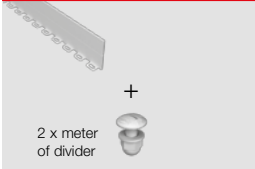
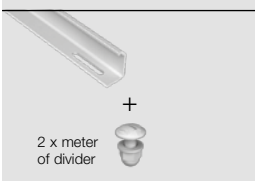



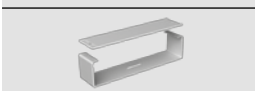

Insulating cable tray  
halogen free

		Cable tray sizes (mm)	60x100	60x200	60x300	100x400	100x600
 <p><b>Grey</b> RAL 7038 (Part no. 66xxx-48)</p>							
	<b>Perforated cable tray</b> 3 m		<b>66100-48</b>	<b>66200-48</b>	<b>66300-48</b>	<b>66420-48</b>	<b>66620-48</b>
	<b>Non perforated cable tray</b> 3 m		<b>66101-48</b>	<b>66201-48</b>	<b>66301-48</b>	<b>66421-48</b>	<b>66621-48</b>
	<b>Cover</b> 3 m		<b>66102-48</b>	<b>66202-48</b>	<b>66302-48</b>	<b>66402-48</b>	<b>66602-48</b>

**Junction parts in U48X**

	<b>Junction</b>		<b>66825-48</b>	<b>66835-48</b>
	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)		<b>66809-48</b>	<b>66839 (1)</b>

**Cable conduction parts in U48X**

	<b>Divider</b> 3 m		<b>66821-48</b>	<b>66831-48</b>		
	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)		<b>66809-48</b>	<b>66839 (1)</b>		
	<b>Reinforced divider</b> 3 m		<b>66826-48</b>	<b>66836-48</b>		
	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)		<b>66809-48</b>	<b>66839 (1)</b>		
	<b>Flat corner 90°</b>	<b>66110-48</b>	<b>66210-48</b>	<b>66310-48</b>	<b>66430-48</b>	<b>66630-48</b>
	<b>Nuts and bolts</b> (M8 DIN 603 ISO 8677)		<b>66809-48</b>	<b>66839 (1)</b>		
	<b>Flat corner cover 90°</b> (Includes 4 screws AISI 304 part no. 66001)	<b>66111-48</b>	<b>66211-48</b>	<b>66311-48</b>	<b>66411-48</b>	<b>66611-48</b>
	<b>End cover</b> (Includes 2 screws AISI 304)	<b>66113-48</b>	<b>66213-48</b>	<b>66313-48</b>	<b>66433-48</b>	<b>66633-48</b>
	<b>Joint cover piece</b>	<b>66114-48</b>	<b>66214-48</b>	<b>66314-48</b>	<b>66434-48</b>	<b>66634-48</b>
	<b>Semi T</b>	<b>66128-48</b>	<b>66228-48</b>	<b>66328-48</b>	<b>66448-48</b> (2)	<b>66648-48</b> (2)
	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)		<b>66809-48</b>	<b>66839 (1)</b>		

(1) As an alternative for metallic nuts and bolts and plugs, when insulating protection is required, use part numbers 66829 Hexagonal nuts and bolts AISI 304 (M 8x25 DIN 6921) + 66819 Insulating protector for plugs.

(2) Part number 66448-48 requires 7 screws to fix it to the cable tray. Part number 66648-48 requires 8 screws to fix it to the cable tray.



Cable tray sizes (mm)		60x100	60x200	60x300	100x400	100x600
	<b>Grey</b> RAL 7038 (Part no. 66xxx-48)					
	<b>Perforated cable tray</b> 3 m	<b>66100-48</b>	<b>66200-48</b>	<b>66300-48</b>	<b>66420-48</b>	<b>66620-48</b>
	<b>Non perforated cable tray</b> 3 m	<b>66101-48</b>	<b>66201-48</b>	<b>66301-48</b>	<b>66421-48</b>	<b>66621-48</b>


**Cable conduction parts in U48X**

	<b>Semi T cover</b> (Includes 4 screws AISI 304 part no. 66001)	<b>66129-48</b>	<b>66229-48</b>	<b>66329-48</b>	<b>66429-48</b>	<b>66629-48</b>
	<b>Cover fixing IK10</b>	<b>66845-48</b>			<b>66855-48</b>	

**Other junction parts in U48X**

	<b>Base unions (1)</b> (Include 2 screws AISI 304)				<b>66820-48</b>	<b>66830-48</b>
1 x	<b>Corner junctions</b> Mounting corners Note: A unit is composed by a set of 2 pieces (internal and external)	<b>66841-48</b>			<b>66851-48</b>	
4 x	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)	<b>66809-48</b>			<b>66839 (2)</b>	
2 x	<b>Convex change</b> - 45° level-changing	<b>66842-48</b>			<b>66852-48</b>	
4 x	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)	<b>66809-48</b>			<b>66839 (2)</b>	
2 x	<b>Concave change</b> + 45° level-changing	<b>66843-48</b>			<b>66853-48</b>	
4 x	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)	<b>66809-48</b>			<b>66839 (2)</b>	
2 x	<b>Vertical hinge</b> Variable-angle level changing	<b>66813-48</b>			<b>66833-48</b>	
8 x	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)	<b>66809-48</b>			<b>66839 (2)</b>	
2 x	<b>Horizontal hinge</b>	<b>66844-48</b>			<b>66854-48</b>	
4 x	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)	<b>66809-48</b>			<b>66839 (2)</b>	

(1) For cable trays of width  $\geq 300$  mm the use of a base union is necessary to comply with the requirements of full load transverse deflection defined by international cable trays Standard IEC 61537.

(2) As an alternative for metallic nuts and bolts and plugs, when insulating protection is required, use part numbers 66829 Hexagonal nuts and bolts AISI 304 (M 8x25 DIN 6921) + 66819 Insulating protector for plugs.

\* The values indicated according to IEC 61537 have been tested under the equivalent standard EN 61537. BS EN 61537 is the UK implementation of EN 61537 and IEC 61537.

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**U48X**

Grey

Insulating cable tray  
halogen free

## Parts for direct wall fixing (one level)

	Cable tray sizes (mm)	60x100	60x200	60x300	100x400	100x600
	<p>Grey</p> <p>RAL 7038</p> <p>(Part no. 66xxx-48)</p>					
	<b>Perforated cable tray</b> 3 m	<b>66100-48</b>	<b>66200-48</b>	<b>66300-48</b>	<b>66420-48</b>	<b>66620-48</b>
	<b>Non perforated cable tray</b> 3 m	<b>66101-48</b>	<b>66201-48</b>	<b>66301-48</b>	<b>66421-48</b>	<b>66621-48</b>

## Parts for direct wall fixing (one level) in **U48X** and steel

	<p>Insulating <b>U48X</b></p>	<b>66103-48</b>	<b>66203-48</b>	<b>66303-48</b>	<b>66403-48</b>	<b>66603-48</b>
	<p><b>Horizontal support</b></p> <p>SST AISI 304 with grey epoxy coating</p>				<b>66423</b>	<b>66623</b>
	<p>Galvanized steel with grey epoxy coating</p>				<b>66424</b>	<b>66624</b>
<p>+</p> <p>2 x </p>	<p><b>Nuts and bolts</b></p> <p>(M 8 DIN 603 ISO 8677)</p>	+			+	
		<b>66809-48</b>			<b>66839 (1)</b>	
	<p><b>Vertical insulating support</b></p> <p>Use metal screws to fix the tray</p>	<b>66155-48</b>	<b>66205-48</b>	<b>66305-48</b>	<b>66405-48</b>	<b>66605-48</b>
<p>+</p> <p>2 x </p>	<p><b>Nuts and bolts</b></p> <p>(M 8 DIN 603 ISO 8677)</p> <p>SST AISI 304</p>	+			+	
		<b>66839 (1)</b>				
	<p>Galvanized steel with grey epoxy coating</p>	<b>66106</b>	<b>66206</b>	<b>66306</b>		
	<p>Steel sendzimir</p>	<b>66107</b>	<b>66207</b>	<b>66307</b>		
<p>+</p> <p>2 x </p>	<p><b>Nuts and bolts</b></p> <p>(M 8 DIN 603 ISO 8677)</p>	+				
		<b>66809-48</b>				
	<p><b>Nuts and bolts</b></p> <p>(M 8 DIN DIN 6921)</p>				<b>66829</b>	
<p>+</p> <p></p>	<p><b>Insulating protector for plugs</b></p> <p>LDPE</p>				+	
					<b>66819</b>	

(1) As an alternative for metallic nuts and bolts and plugs, when insulating protection is required, use part numbers 66829 Hexagonal nuts and bolts AISI 304 (M 8x25 DIN 6921) + 66819 Insulating protector for plugs.

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## Parts for wall fixing with profiles (several levels)

	Cable tray sizes (mm)	60x100	60x200	60x300
	<p><b>Grey</b> RAL 7038 (Part no. 66xxx-48)</p>			
	<b>Perforated cable tray</b> 3 m	<b>66100-48</b>	<b>66200-48</b>	<b>66300-48</b>
	<b>Non perforated cable tray</b> 3 m	<b>66101-48</b>	<b>66201-48</b>	<b>66301-48</b>



## Parts for wall fixing with profiles (several levels) in **U48X** and steel

	SST AISI 304 with grey epoxy coating	<b>66838</b>		
	<b>L = 0,5 m</b>	-----		
	Galvanized steel with grey epoxy coating	<b>66938</b>		
	<b>U profile</b>	-----		
	SST AISI 304 with grey epoxy coating	<b>66898</b>		
	<b>L = 3 m</b>	-----		
	Galvanized steel with grey epoxy coating	<b>66998</b>		
	<b>Horizontal insulating support</b> <b>U48X</b>	<b>66103-48</b>	<b>66203-48</b>	<b>66303-48</b>
		+ + +		
	<b>Mounting pin</b> SST AISI 304	<b>66812</b>		
		+ + +		
		+ + +		
	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)	<b>66809-48</b>		

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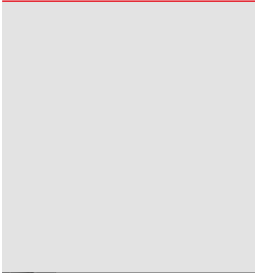







# 66

**U48X**





Grey

Insulating cable tray  
halogen free

## Parts for wall fixing with profiles (several levels)


	Cable tray sizes (mm)	60x100	60x200	60x300	100x400	100x600
	<p><b>Grey</b></p> <p>RAL 7038</p> <p>(Part no. 66xxx-48)</p>					
	<b>Perforated cable tray</b> 3 m	<b>66100-48</b>	<b>66200-48</b>	<b>66300-48</b>	<b>66420-48</b>	<b>66620-48</b>
	<b>Non perforated cable tray</b> 3 m	<b>66101-48</b>	<b>66201-48</b>	<b>66301-48</b>	<b>66421-48</b>	<b>66621-48</b>

## Parts for wall fixing with profiles (several levels) in **U48X** and steel

	SST AISI 304 with grey epoxy coating	<b>66837</b>					
	L = 0.5 m	-----					
	Galvanized steel with grey epoxy coating	<b>66937</b>					
	L = 3 m	-----					
	SST AISI 304 with grey epoxy coating	<b>66897</b>					
	Galvanized steel with grey epoxy coating	<b>66997</b>					
	<b>Horizontal support</b>	Insulating <b>U48X</b>	<b>66103-48</b>	<b>66203-48</b>	<b>66303-48</b>	<b>66403-48</b> (1)	<b>66603-48</b> (1)
		SST AISI 304 with grey epoxy coating				<b>66423</b>	<b>66623</b>
	Galvanized steel with grey epoxy coating	<b>66424</b>				<b>66624</b>	
	<b>Mounting pin</b>	SST AISI 304	<b>66812</b>			<b>66822</b>	
	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)	<b>66809-48</b>			<b>66839</b> (2)		

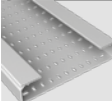


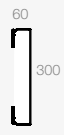
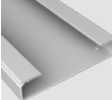
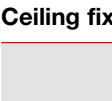
(1) Can be mounted with the mounting pin part no. 66812.

(2) As an alternative for metallic nuts and bolts and plugs, when insulating protection is required, use part numbers 66829 Hexagonal nuts and bolts AISI 304 (M 8x25 DIN 6921) + 66819 Insulating protector for plugs.

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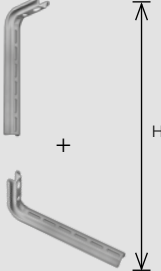


# Mounting table for double L ceiling brackets

(Compatible with trays up to 60x300 mm)

		Cable tray sizes (mm)	60x100	60x200	60x300
 <p><b>Grey</b> RAL 7038 (Part no. 66xxx-48)</p>					
 <p><b>Perforated cable tray</b> 3 m</p>			<b>66100-48</b>	<b>66200-48</b>	<b>66300-48</b>
 <p><b>Non perforated cable tray</b> 3 m</p>			<b>66101-48</b>	<b>66201-48</b>	<b>66301-48</b>



## Ceiling fixing parts in steel

	Galvanized steel with grey epoxy coating	<b>66106</b> + <b>66106</b>	<b>66106</b> + <b>66206</b>	<b>66106</b> + <b>66306</b>	
	H = 150 mm.				
	Steel sendzimir	<b>66107</b> + <b>66107</b>	<b>66107</b> + <b>66207</b>	<b>66107</b> + <b>66307</b>	
	Galvanized steel with grey epoxy coating	<b>66206</b> + <b>66106</b>	<b>66206</b> + <b>66206</b>	<b>66206</b> + <b>66306</b>	
	H = 250 mm.				
	<b>L bracket</b> + <b>L bracket</b>	<b>66207</b> + <b>66107</b>	<b>66207</b> + <b>66207</b>	<b>66207</b> + <b>66307</b>	
	Steel sendzimir				
	Galvanized steel with grey epoxy coating	<b>66306</b> + <b>66106</b>	<b>66306</b> + <b>66206</b>	<b>66306</b> + <b>66306</b>	
	H = 350 mm.				
	Steel sendzimir	<b>66107</b> + <b>66107</b>	<b>66207</b> + <b>66207</b>	<b>66307</b> + <b>66307</b>	
	 <p>2 x</p>	<b>Nuts and bolts</b> (M 8x25 DIN 6921) SST AISI 304	<b>66829 (1)</b>		
	 <p>2 x</p>	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677) <b>U48X</b>	<b>66809-48 (2)</b>		

(1) To fix both L brackets use nuts and bolts 66829.

(2) To fix the cable tray to L bracket use nuts and bolts 66809-48.

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**U48X**

Grey

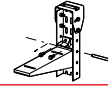
Insulating cable tray  
halogen free

## Mounting table for U perforated ceiling supports






(Compatible with trays **up to 60x300 mm**).

In installations with ceiling supports, the load calculations should be checked.

### Perforated U profile



### Supporting elements

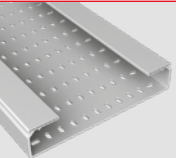
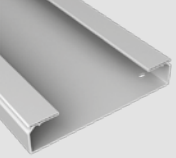


		SST AISI 304 with grey epoxy coating	Galvanized steel with grey epoxy coating	
 +	<b>U profile connector</b>	<b>66880</b>	<b>66980</b>	
	 4 x +	<b>Nuts and bolts</b> (M 8x25 DIN 6921) SST AISI 304	<b>66829</b>	
 +	<b>U profile</b>	L = 0.25 m	<b>66808</b>	<b>66908</b>
		L = 0.50 m	<b>66838</b>	<b>66938</b>
		L = 3 m	<b>66898</b>	<b>66998</b>
 +	<b>Horizontal support</b>	See table below for horizontal supports. (compatible only with insulating supports in <b>U48X</b> )		
 +	<b>Mounting pin</b>	SST AISI 304	<b>66812</b>	


Cable tray sizes (mm)

60x100

60x200

60x300

		60x100	60x200	60x300
	<b>Perforated cable tray</b> 3 m	<b>66100-48</b>	<b>66200-48</b>	<b>66300-48</b>
	<b>Non perforated cable tray</b> 3 m	<b>66101-48</b>	<b>66201-48</b>	<b>66301-48</b>
 +	<b>Horizontal support</b> Insulating <b>U48X</b>	<b>66103-48</b>	<b>66203-48</b>	<b>66303-48</b>
 2 x	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677) <b>U48X</b>	<b>66809-48</b>		

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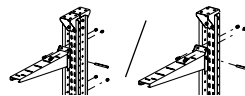


# Mounting table for $\Omega$ perforated ceiling supports

(Compatible with all sizes of cable tray).

In installations with ceiling supports, the load calculations should be checked.

Perforated  $\Omega$  profile



## Supporting elements

		SST AISI 304 with grey epoxy coating	Galvanized steel with grey epoxy coating
	<b><math>\Omega</math> profile connector</b>	<b>66890</b>	<b>66990</b>
	<b>Nuts and bolts</b> (M 8x25 DIN 6921) SST AISI 304	<b>66829</b>	
	<b><math>\Omega</math> profile</b> L = 0.50 m	<b>66837</b>	<b>66937</b>
	<b><math>\Omega</math> profile</b> L = 3 m	<b>66897</b>	<b>66997</b>
	<b>Horizontal support</b>	See table below for horizontal supports.	
<b>Mounting pin</b> SST AISI 304	<b>66812 (1)</b>		

(1) Part number 66812 for horizontal supports in **U48X** and part number 66822 for metallic horizontal supports.

		Cable tray sizes (mm)	60x100	60x200	60x300	100x400	100x600
	<b>Perforated cable tray</b> 3 m		<b>66100-48</b>	<b>66200-48</b>	<b>66300-48</b>	<b>66420-48</b>	<b>66620-48</b>
	<b>Non perforated cable tray</b> 3 m		<b>66101-48</b>	<b>66201-48</b>	<b>66301-48</b>	<b>66421-48</b>	<b>66621-48</b>
	<b>Insulating</b> <b>U48X</b>		<b>66103-48</b>	<b>66203-48</b>	<b>66303-48</b>	<b>66403-48</b>	<b>66603-48</b>
	<b>Horizontal support</b> SST AISI 304 with grey epoxy coating					<b>66423</b>	<b>66623</b>
	<b>Horizontal support</b> Galvanized steel with grey epoxy coating					<b>66424</b>	<b>66624</b>
	<b>Nuts and bolts</b> (M 8 DIN 603 ISO 8677)		<b>66809-48</b>	+		<b>66839 (1)</b>	

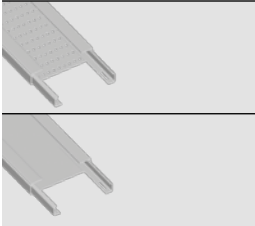





(1) As an alternative for metallic nuts and bolts and plugs, when insulating protection is required, use part numbers 66829 Hexagonal nuts and bolts AISI 304 (M 8x25 DIN 6921) + 66819 Insulating protector for plugs.

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U48X

Grey

Insulating cable tray  
halogen freeUseful cross-sections (mm<sup>2</sup>)

Sizes (mm)		60x100	60x200	60x300	100x400	100x600
Grey RAL 7038						
Part numbers perforated cable tray		<b>66100-48</b>	<b>66200-48</b>	<b>66300-48</b>	<b>66420-48</b>	<b>66620-48</b>
Part numbers non perforated cable tray		<b>66101-48</b>	<b>66201-48</b>	<b>66301-48</b>	<b>66421-48</b>	<b>66621-48</b>
		 4349	 9900	 15301	 34506	 53492
Divider	Section occupied	344	344	344	534	534
	Max. no. of compartments	2	5	7	11	17
Reinforced divider	Section occupied		343	343	673	673
	Max. no. of compartments	1	2	3	5	5

## Load test conditions TEST TYPE I acc./IEC 61537\*

U48X			
Temperature	40°C	60°C	90°C
Distance between supports (L)	1.5 m	1 m	0.5 m
Longitudinal deflection	Lower than 1% of the distance between supports		
Transverse deflection	Lower than 5% of the tray's width		

## Safe working load (SWL) in (kg/m) or (N) acc/ IEC 61537\*

Sizes (mm)	60x100	60x200	60x300	100x400	100x600
Admissible load (Kg/m) SWL	<b>10.8</b>	<b>22.5</b>	<b>33.7</b>	<b>77.2</b>	<b>116.5</b>
Admissible load (N) SWL	<b>105</b>	<b>220</b>	<b>330</b>	<b>756</b>	<b>1141</b>

For cable trays of width  $\geq 300$  mm the use of a base union is necessary to comply with the requirements of full load transverse deflection defined by international cable trays Standard IEC 61537.

\*BS EN 61537 is the UK implementation of EN 61537 and IEC 61537.

## Supports. Safe working load (SWL) (Kg) or (N) acc./IEC 61537\*

U48X

Temperature	40°C	60°C	90°C
<b>Admissible deflection</b>	Lower than 5% of the length of the support		
<b>Overload without collapsing (Deformation is admitted)</b>	1.7 times the safe working load declared		
<b>Part no.</b>	<b>Insulating horizontal support</b>		
<b>66103-48</b>	35 kg (343 N)	25 kg (245 N)	5.4 kg (52 N)
<b>66203-48</b>	60 kg (588 N)	40 kg (392 N)	11.3 kg (110 N)
<b>66303-48</b>	60 kg (588 N)	40 kg (392 N)	16.9 kg (165 N)
<b>66403-48</b>	116 kg (1134 N)	77 kg (756 N)	38.6 kg (378 N)
<b>66603-48</b>	175 kg (1712 N)	116.5 kg (1141 N)	58 kg (568 N)
<b>Part no.</b>	<b>Insulating vertical support</b>		
<b>66155-48</b>	25 kg (243 N)	16.6 kg (162 N)	
<b>66205-48</b>	56 kg (554 N)	37.6 kg (369 N)	
<b>66305-48</b>	86 kg (842 N)	57.3 kg (561 N)	
<b>66405-48</b>	116 kg (1134 N)	77.2 kg (756 N)	
<b>66605-48</b>	175 kg (1712 N)	116.5 kg (1141 N)	



### In Steel sendzimir, Galvanized steel with grey epoxy coating or steel AISI 304 with epoxy coating

Temperature	40°C, 60°C and 90°C			
<b>Admissible deflection</b>	Lower than 5% of the length of the support			
<b>Overload without collapsing (Deformation is admitted)</b>	1.7 times the safe working load declared			
	<b>Steel sendzimir</b>	<b>Steel epoxy</b>	<b>Steel AISI 304</b>	<b>Metallic horizontal support</b>
<b>Part no.</b>		<b>66424</b>	<b>66423</b>	116 kg (1137 N)
		<b>66524</b>	<b>66523</b>	145 kg (1421 N)
		<b>66624</b>	<b>66623</b>	175 kg (1715 N)
	<b>Steel sendzimir</b>	<b>Steel epoxy</b>	<b>Steel AISI 304</b>	<b>Metallic L support</b>
<b>Part no.</b>	<b>66107</b>	<b>66106</b>		90 kg (882 N)
	<b>66207</b>	<b>66206</b>		55 kg (540 N)
	<b>66307</b>	<b>66306</b>		51 kg (500 N)

\*BS EN 61537 is the UK implementation of EN 61537 and IEC 61537.

# 66

U48X

Grey

Insulating cable tray  
halogen free

## Unex online: Tools for specification

[www.unex.net](http://www.unex.net)

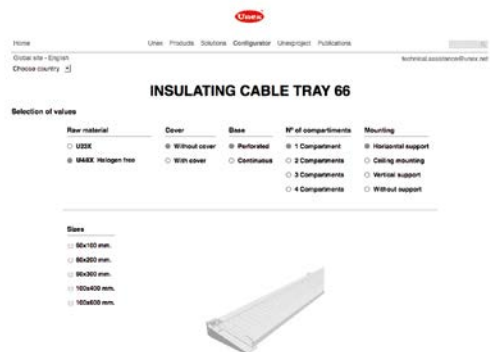
### Technical information

- Technical specifications
- Mounting instructions
- Different database formats



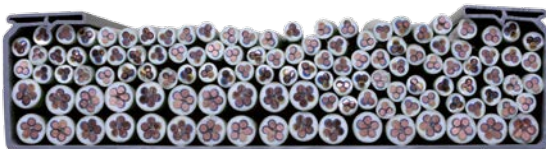
### Configurator

- Unex cable tray's configurator allows you to obtain a complete list of materials



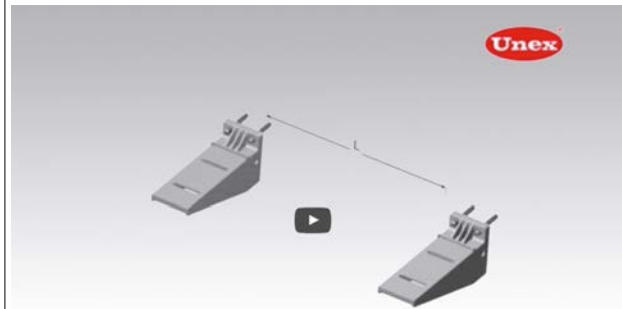
### Unexproject

- Your tool for dimensioning the cable tray according to the cables you are using in your project



### YouTube Unex Solutions

- Mounting videos



### EPLAN

Unex products are available in the EPLAN Data Portal, classified as "Electrical engineering" and "Mechanics".



### Databases

As a customer-oriented company, we provide our data in different formats: BIM-REVIT and 3D-DWG.



Cable conduction  
system with possibility  
of mounting switches  
and sockets

# Trunking halogen free

# 73

raw material

U41X

U43X

colour

White



# 73

U41X / U43X

White

Trunking  
halogen free

For distribution, with possibility to mount switches and sockets

- **Suitable for outdoor use.**
- Resistant to high temperatures.
- Excellent equipment protection.
- Can be painted.

## Raw material

U41X / U43X

Trunking


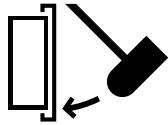
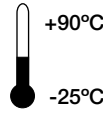
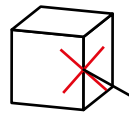


U42X

Fittings, accessories and switches  
and sockets adapters

Compliant



## Technical characteristics

<p><b>Electrical</b></p>  <p><b>EN 50085-2-1*</b></p> <p>Insulating material.</p> <hr/> <p>No earthing required.</p>	<p><b>Mechanical</b></p>  <p><b>EN 50085-2-1*</b></p> <p>IK07.</p>	<p><b>Service temperature</b></p>  <p><b>EN 50085-2-1*</b></p>	<p><b>Protection degree</b></p>  <p><b>EN 50085-2-1*</b></p> <p>IP4X, mounted on the wall.</p>
<p><b>Outdoors</b></p>  <p>Good performance outdoors and with exposure to UV rays.</p>	<p><b>In front of fire</b></p>  <p>Glow-wire test 960°C.</p> <hr/> <p>Non flame propagating.</p> <hr/> <p>Flammability degree UL94: V0. Does not spread fire by dripping.</p>		

\* BS EN 50085-2-1 is the UK implementation of EN 50085-2-1.



Trunking  
halogen free

73 U41X / U43X  
White



Length

**3 m**

Colour

White

**RAL 9010**

## Quality marks



## Approvals



Bureau Veritas



Φ3 от 22.07.08 N 123-Φ3  
ГОСТ P 53313-2009

## Conformity declaration



See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)

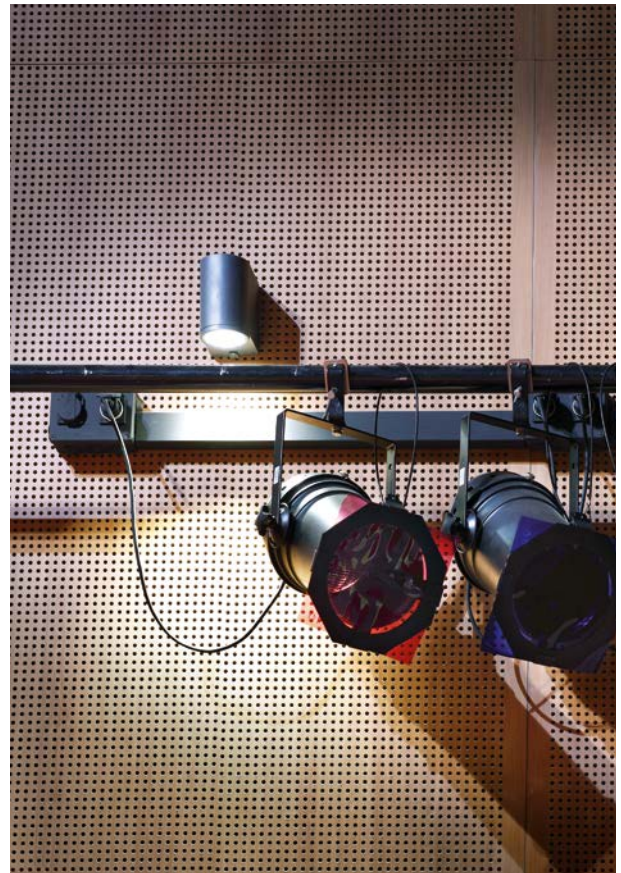
73

U41X / U43X  
White

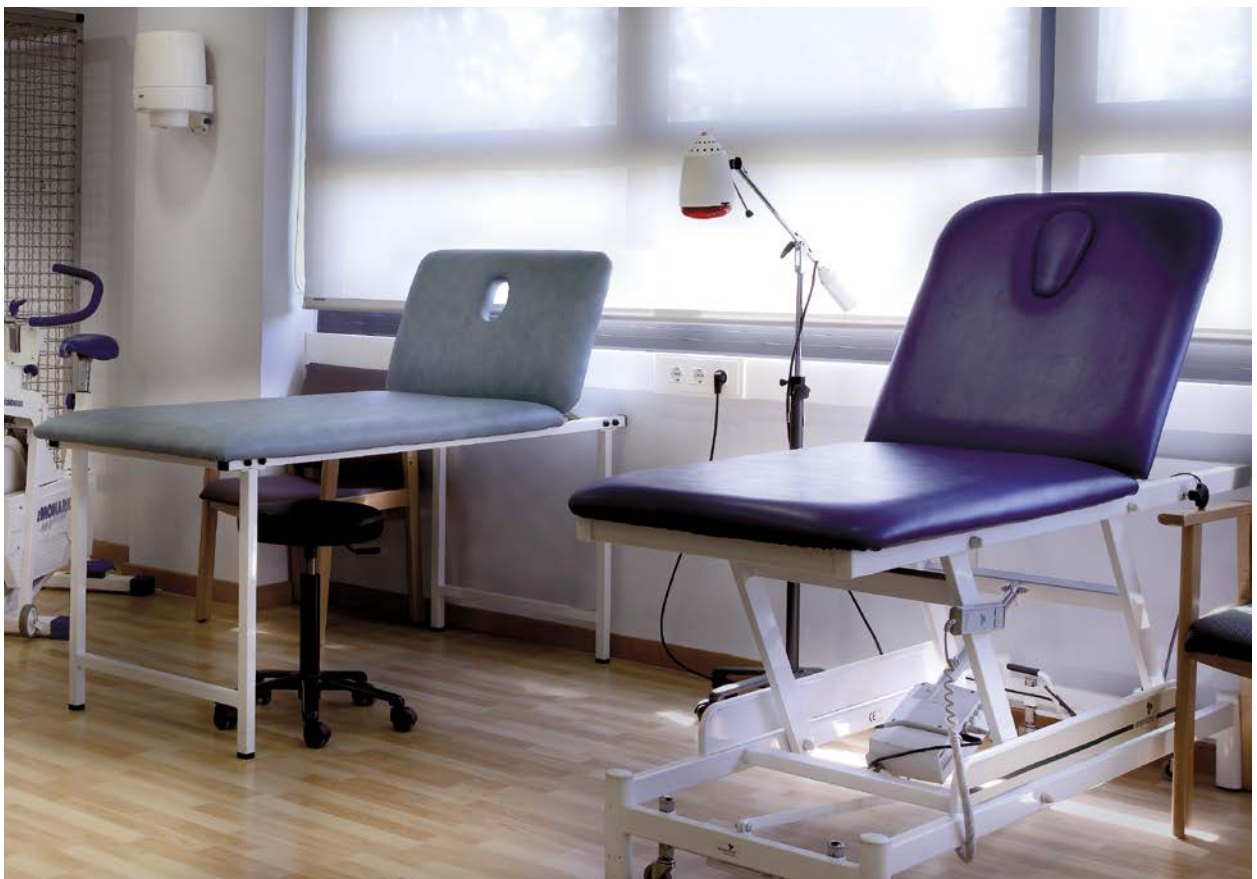
Trunking  
halogen free



Work spaces: office



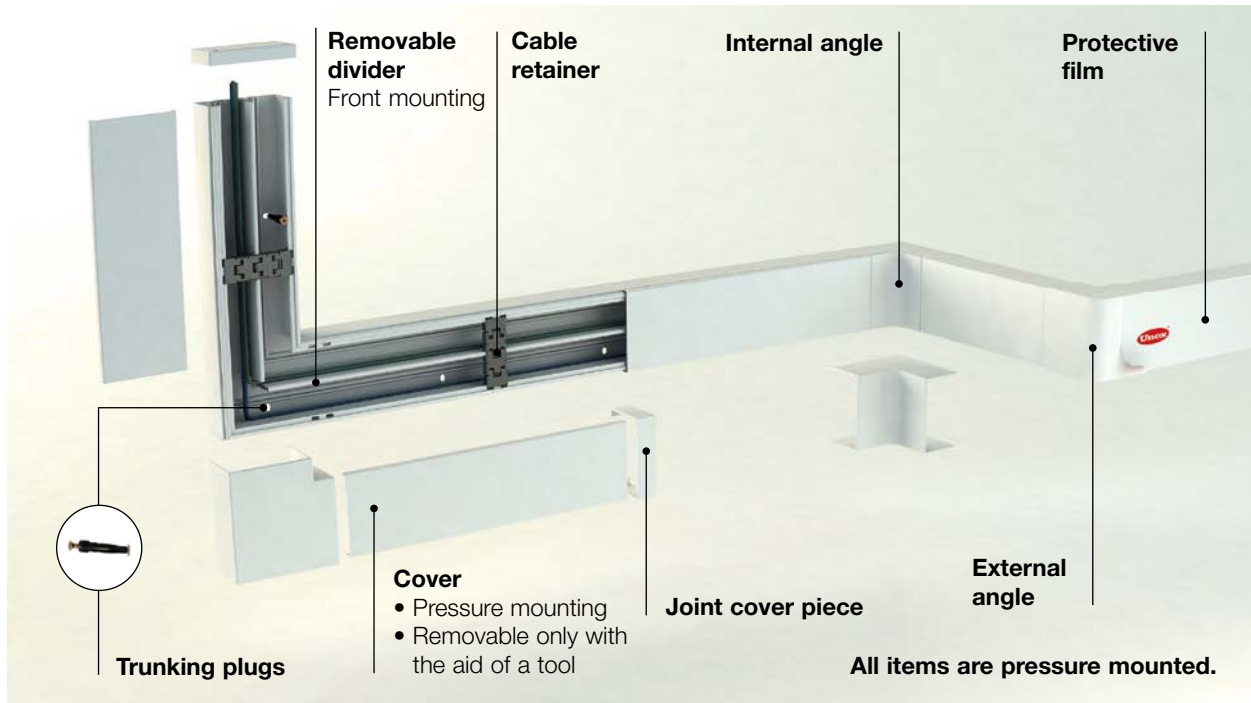
Recreational and cultural facilities: theatre



Health care: rehabilitation room

# Easy installation

## Trunking and fittings



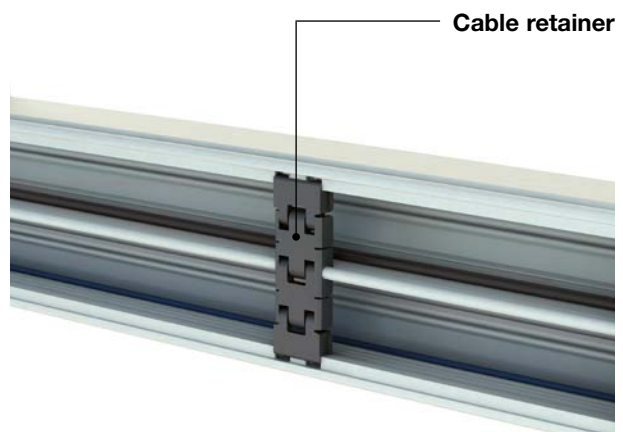
## Fittings in 2 pieces

- **The internal piece** allows easy measuring of the cover and holds the cables.
- **The external piece** covers the cut marks of base and cover. It is not necessary to slide the cover. IP4X protection degree is assured.



## Firm holding of the cover: removable only with the aid of a tool

Retains the cables. Allows independent access to each circuit.



Trunking sizes (mm)		40x60	40x90	60x110	60x150
	White RAL 9010 (Part no. 73xxx-42)				
Maximum number of compartments		2	2	4	4
	<b>Trunking</b> 3 m Note: 1 cable retainer every 0.5 m is included.	<b>73071-42</b>	<b>73072-42</b>	<b>73083-42</b>	<b>73085-42</b>

### Accessories in U41X / U43X

	<b>Divider</b> 3 m	<b>73820-40</b>	<b>73830-40</b>
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### Fittings in U42X

	<b>Flat angle</b>	<b>73221-42</b>	<b>73222-42</b>	<b>73233-42</b>	<b>73235-42</b>
	<b>External angle</b>	<b>73271-42</b>	<b>73272-42</b>	<b>73283-42</b>	<b>73285-42</b>
	<b>Internal angle</b>	<b>73321-42</b>	<b>73322-42</b>	<b>73333-42</b>	<b>73335-42</b>
	<b>End cover</b>	<b>73371-42</b>	<b>73372-42</b>	<b>73383-42</b>	<b>73385-42</b>
	<b>Joint cover piece</b>	<b>73521-42</b>	<b>73522-42</b>	<b>73533-42</b>	<b>73535-42</b>
	<b>Straight derivation</b> Branching to a trunking of equal height.	<b>73421-42</b>	<b>73422-42</b>	<b>73433-42</b>	<b>73435-42</b>

### Fixing elements in U63X

	<b>Trunking plug</b> Note: Use drill bit Ø6 mm.	<b>25106</b>
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See next page

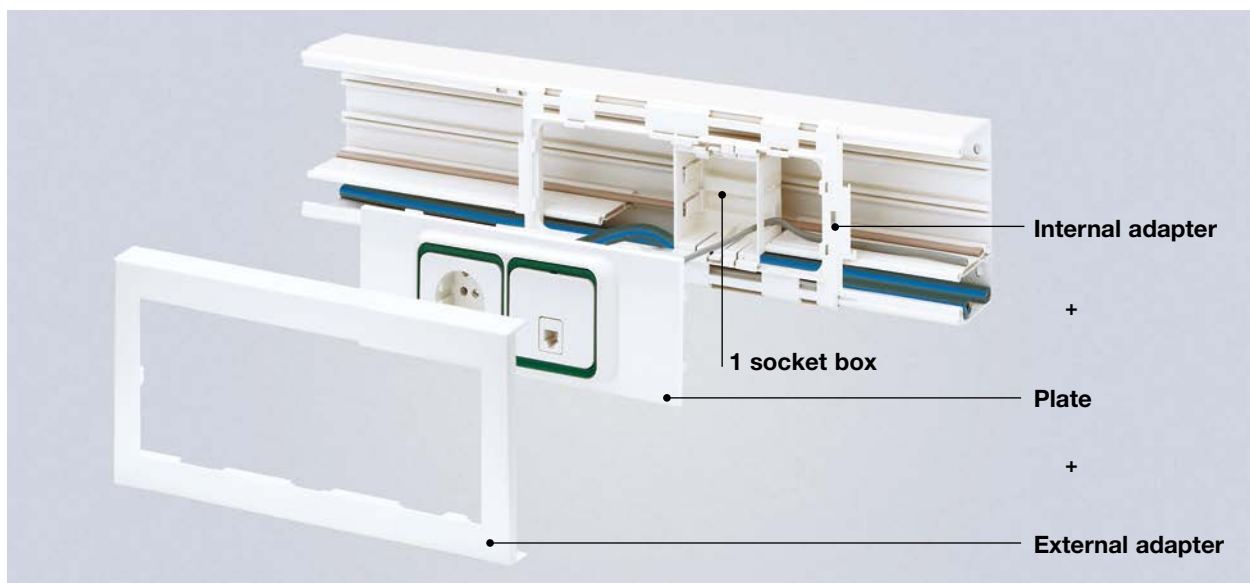


## Mounting of switches and sockets

		Border	+	Plate for switches and sockets			Socket boxes	
			+	 60 mm Universal CEE-7	 45x45 mm Simon* 27	 45x45 mm Mosaic*, Simon Connect* K45 and compatible (1)	 1 CEE socket box	 Continuous socket box Note: includes divider 73713-4 (2)
<b>Trunking 73</b>								
<b>73072-42</b> 	40x90	<b>73642-42</b>	+	 <b>73651-42</b>  <b>73652-42</b>	 <b>73660-42</b>  <b>73661-42</b>	 <b>73656-42</b>  <b>73657-42</b>		
<b>73083-42</b> 	60x110	<b>73643-42</b>	+	 <b>73653-42</b>	 <b>73662-42</b>	 <b>73658-42</b>		
<b>73085-42</b> 	60x150	<b>73645-42</b>	+	 <b>73670-42</b>	 <b>73669-42</b>		<b>73710-40</b>	<b>73712-40</b>

- (1) Most of the switches and sockets of K type are compatible with this adapter. However, there are some part numbers (for example KB076, KB76, K103A, 2u. KA76, 2u. K302 + K115, etc.) that can only be mounted on the plate 73669-42 in the central area, placing blind lids on the sides.
- (2) Part number 73713-4 is not sold individually.
- \*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

## Easy mounting



See next page

Useful cross-sections (mm<sup>2</sup>)

Part no.	White RAL 9010	Sizes (mm)			
		40x60	40x90	60x110	60x150
		<b>73071-42</b>	<b>73072-42</b>	<b>73083-42</b>	<b>73085-42</b>



Distribution

Without divider		1530	2315	4780	6540
With divider		705 705	1100 1100	1160 855 855 1160	1595 1305 1305 1595

Adaptation of switches and sockets

With border and plate, without box			895 895	1160 680 680 1160	1595 1090 1090 1595
With border, plate and box			1015 345 345 1015	1595 615 615 1595	





Power supply  
system for  
work spaces

# Trunking halogen free 93

raw material

U41X

U43X

colour

White



# 93

U41X / U43X

White

Trunking  
halogen free

## For perimeter power supply of work spaces

- **Free choice of switches and sockets.**
- Possibility to **attach or flush-mount** in walls and furniture.
- Excellent equipment protection.
- **Can be painted.**

## Raw material

U41X / U43X

Trunking


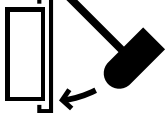
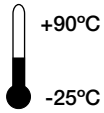
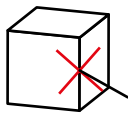

U42X

Fittings, accessories and switches  
and sockets adapters

Compliant



## Technical information

Electrical	Mechanical	Service temperature	Protection degree	In front of fire
				
<b>EN 50085-2-1*</b>	<b>EN 50085-2-1*</b>	<b>EN 50085-2-1*</b>	<b>EN 50085-2-1*</b>	<b>EN 50085-2-1*</b>
Insulating material. No earthing required.	IK08 type 3 (distribution and mounting of switches and sockets).		IP4X, mounted on the wall.	Glow-wire test 960°C. Non flame propagating. Flammability degree UL94: V0. Does not spread fire by dripping.

\* BS EN 50085-2-1 is the UK implementation of EN 50085-2-1.

Trunking  
halogen free

93 U41X / U43X  
White



Length

**2 m**

Colour

**White**

**RAL 9010**

## Quality marks



## Approvals



Bureau Veritas



Φ3 от 22.07.08 N 123-Φ3  
ГОСТ Р 53313-2009

See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)

## Conformity declaration



93

U41X / U43X

White

Trunking  
halogen free



Work spaces: office



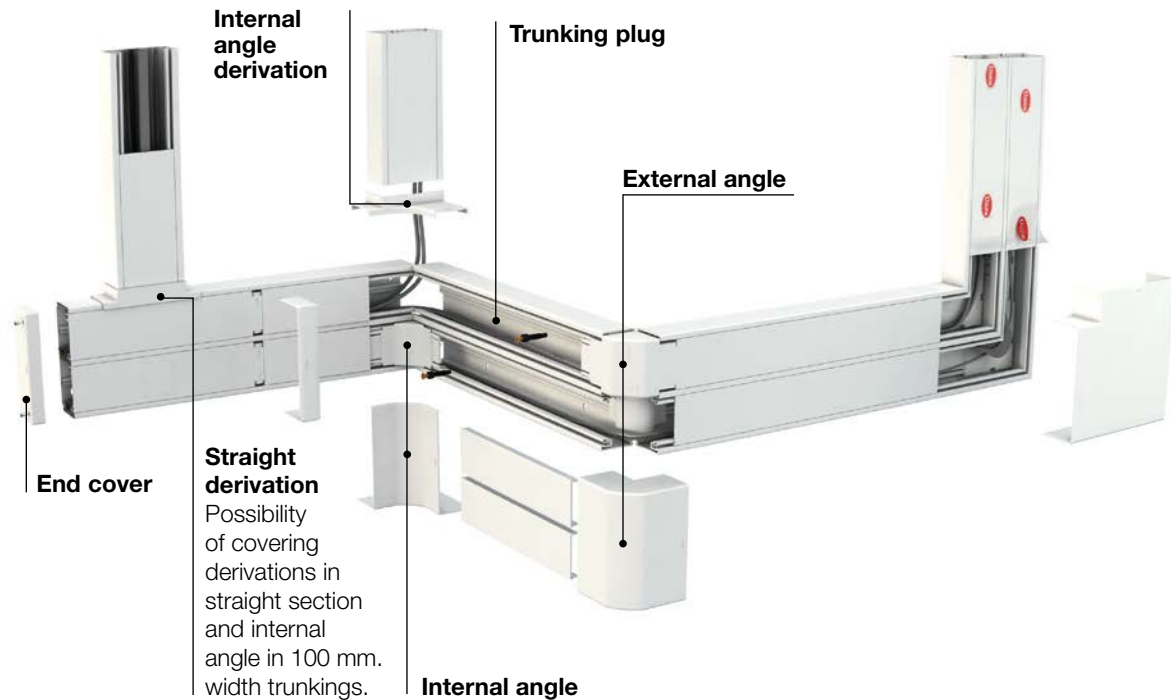
Work spaces: office renovation



Work spaces: office renovation

# Safe and easy installation

## Trunking and fittings



## Protective film



For all trunking part numbers.

## Fittings in 2 pieces

### Internal angle



### External angle



All items are pressure mounted.

- **The internal piece** allows easy measuring of the cover and holds the cables.
- **The external piece** covers the cut marks of base and cover. It is not necessary to slide the cover. IP4X protection degree is assured.

# Flexibility to combine a variety of switches and sockets

## Electrical outlets

### Universal CEE-7



- Niessen\* Olas, Arco, Tacto, Zenit and Stylo.
- Jung\*.
- Simon\* 31, 75, 88, 82.
- Mosaic\*.
- Bticino\*.
- Eunea\*.
- Berker\*.
- Gewiss\*.

### Modular



- Simon\* 27.
- Simon Connect\* K45.
- Mosaic\* and compatible.
- Eunea Unica\*.

### Modular double



- Simon Connect\* K45.
- Mosaic\*.

\*These brands belong to third parties, they are not related to Unex aparellaje eléctrico, S.L.

# Mounting of switches and sockets

## Flexibility to combine a variety of switches and sockets

Unex trunkings are designed to combine different types of installations: electrical, TV, audio-video, sound, data, security, control, etc.

Possibility of extension and evolution of the installations, with no dependence on the type of outlet installed.





## Safe and easy installation

Double-piece adapters:

- **Internal piece:** for a solid fixing to the base and easy measuring of the cover.
- **External and embellishing pieces:** hide the cover cut marks and assures protection degree IP4X.



## Safer installations

### 1 cover trunking

- The removable divider is easy to mount and has a solid fixing to the base in order to separate power and data.
- In case of circuit separation a socket box is required.



### 2 covers trunking

- Independent compartments with fixed divider.
- Independent access for the users to any type of installation.
- The spare section for the passing of cables increases, because it is not necessary to use switches and sockets box.



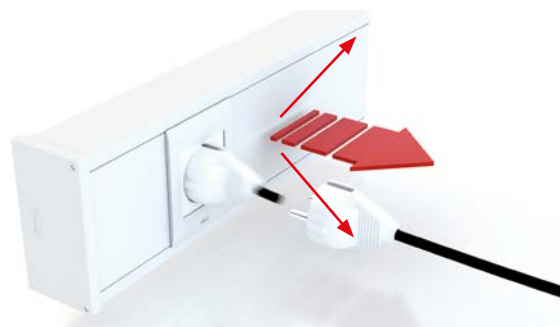
### Protection degree IP4X against solid foreign objects:

The system of adapters for Trunkings 93 assures protection degree IP4X or IPXXD against solid foreign objects, acc./EN 50085-2-1.



### Resistance to wrenching:

The adapters for power outlets resist **81N**, in compliance with EN 50085-1 and European regulations of power outlets.



Trunking sizes (mm)		50x80	50x100	50x150	
	White RAL 9010 (Part no. 93xxx-42)				
Cover sizes (mm)		65	80	65	65
Maximum number of compartments		2	2	4	
	Trunking 2 m	93020-42	93021-42	93074-42	

### Accessories in U41X / U43X

	Divider 2 m	93820-40			
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### Fittings in U42X

	Flat angle	93220-42	93221-42	93224-42
	External angle	93270-42	93271-42	93274-42
	Internal angle	93320-42	93321-42	93324-42
	End cover	93370-42	93371-42	93374-42
	Joint cover piece	93520-42	93521-42	93524-42
	Straight derivation Branching to a 100 mm wide trunking	93421-42		
	Internal angle derivation Branching to a 100 mm wide trunking	93471-42		

### Fixing elements in U63X

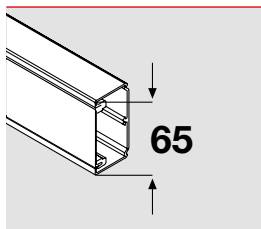
	Trunking plug Note: Use drill bit Ø6 mm.	25106
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### Adapters for switches and sockets in U42X

	Adapter for switches and sockets	See table of adapters, according to the size of the cover (see next page).
--	----------------------------------	--

See next page

## Adapters for Trunking 93 cover 65 mm.



50x80	50x150
<b>93020-42</b>	<b>93074-42</b>



### Single adapter

	Simon* 27	<b>93623-42</b>
	Simon Connect* K45	<b>93608-42 (1)</b>
	Mosaic* and compatible	<b>93608-42</b>
	Eunea Unica*	<b>93653-42</b>

### Double adapter

	Simon Connect* K45	<b>93613-42 (1)</b>
	Mosaic* and compatible	<b>93613-42</b>
	Simon CIMA 500*	<b>93640-42</b>

### Socket boxes (2)

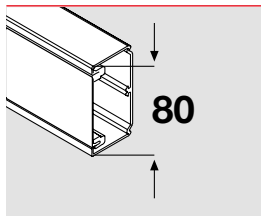
**1 Socket**

**2 Sockets**

	<b>93713-40</b>	<b>93718-40</b>
--	-----------------	-----------------

- (1) Most of the switches and sockets of K type are compatible with this adapter. However, there are some part numbers (for example KB076, KB76, K103A, 2u. KA76, 2u. K302 + K115, etc.) that can only be mounted on the double plate 93613-42 in the central area, placing blind lids on the sides.
- (2) The use of the box is necessary to assure the separation of circuits.

## Adapters for Trunking 93 cover 80 mm.



50x100
<b>93021-42</b>

### Universal single adapter

	Universal CEE-7	<b>93604-40</b>
	Universal with box	<b>93709-40</b>

### Single adapter

	Simon* 27	<b>93624-42</b>
	Simon Connect* K45	<b>93609-42 (2)</b>
	Mosaic* and compatible	<b>93609-42</b>
	Eunea Unica*	<b>93654-42</b>

### Double adapter

	Simon Connect* K45	<b>93614-42 (2)</b>
	Mosaic* and compatible	<b>93614-42</b>

### Socket boxes (3)

**1 Socket**

**2 Sockets**

	<b>93714-40</b>	<b>93719-40 (4)</b>
--	-----------------	---------------------

- (1) Frames shall be supplied by the socket manufacturer. We recommended frames with straight corners.
- (2) Most of the switches and sockets of K type are compatible with this adapter. However, there are some part numbers (for example KB076, KB76, K103A, 2u. KA76, 2u. K302 + K115, etc.) that can only be mounted on the double plate 93614-42 in the central area, placing blind lids on the sides.
- (3) The use of the box is necessary to assure the separation of circuits.
- (4) Includes a divider to separate circuits in connections.
- \*These brands belong to third parties; they are not related to Unex aparellaje eléctrico, S.L.

Useful cross-sections (mm<sup>2</sup>)

Part no.	White RAL 9010	Sizes (mm)		
		50x80	50x100	50x150
		<b>93020-42</b>	<b>93021-42</b>	<b>93074-42</b>



Mounting of switches and socket outlets

Universal outlets without box			2150	
Modular outlets without box		1565	2140	1425 1425
Universal outlets with box			675 675	
Modular outlets with box		440 440	480 480	425 320 320 425

Distribution

Without divider		3110	3890	2955 2955
With divider		1400 1400	1795 1795	1380 1275 1275 1380



Cable conduction  
system with possibility  
of mounting switches  
and sockets

# Mini trunking halogen free

# 78

raw material

**U41X**

**U43X**

colour

**White**



78 U41X / U43X  
White

Mini trunking  
halogen free

## Distribution and mounting of switches and sockets

- Trunking of small dimensions with external cover.
- One to two compartments to separate circuits.
- Possibility to mount switches and sockets.
- **Can be painted.**

## Raw material

U41X / U43X  
U42X


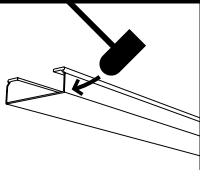
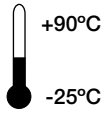
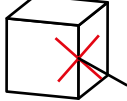

Mini trunking

Fittings, accessories and  
switches and sockets adapters

Compliant



## Technical characteristics

Electrical	Mechanical	Service temperature	Protection degree	In front of fire
 <p><b>EN 50085-2-1*</b></p> <p>Insulating material.</p> <hr/> <p>No earthing required.</p>	 <p><b>EN 50085-2-1*</b></p> <p>IK07.</p>	 <p><b>EN 50085-2-1*</b></p>	 <p><b>EN 50085-2-1*</b></p> <p>IP4X, mounted on the wall.</p>	 <p><b>EN 50085-2-1*</b></p> <p>Glow-wire test 960°C.</p> <hr/> <p>Non flame propagating.</p> <hr/> <p>Flammability degree UL94: V0. Does not spread fire by dripping.</p>

\* BS EN 50085-2-1 is the UK implementation of EN 50085-2-1



Mini trunking  
halogen free

78 U41X / U43X  
White



Length

2 m

Colour

White

RAL 9010

## Quality marks



## Approvals



Bureau Veritas



Φ3 от 22.07.08 N 123-Φ3  
ГОСТ P 53313-2009

See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)

## Conformity declaration



78

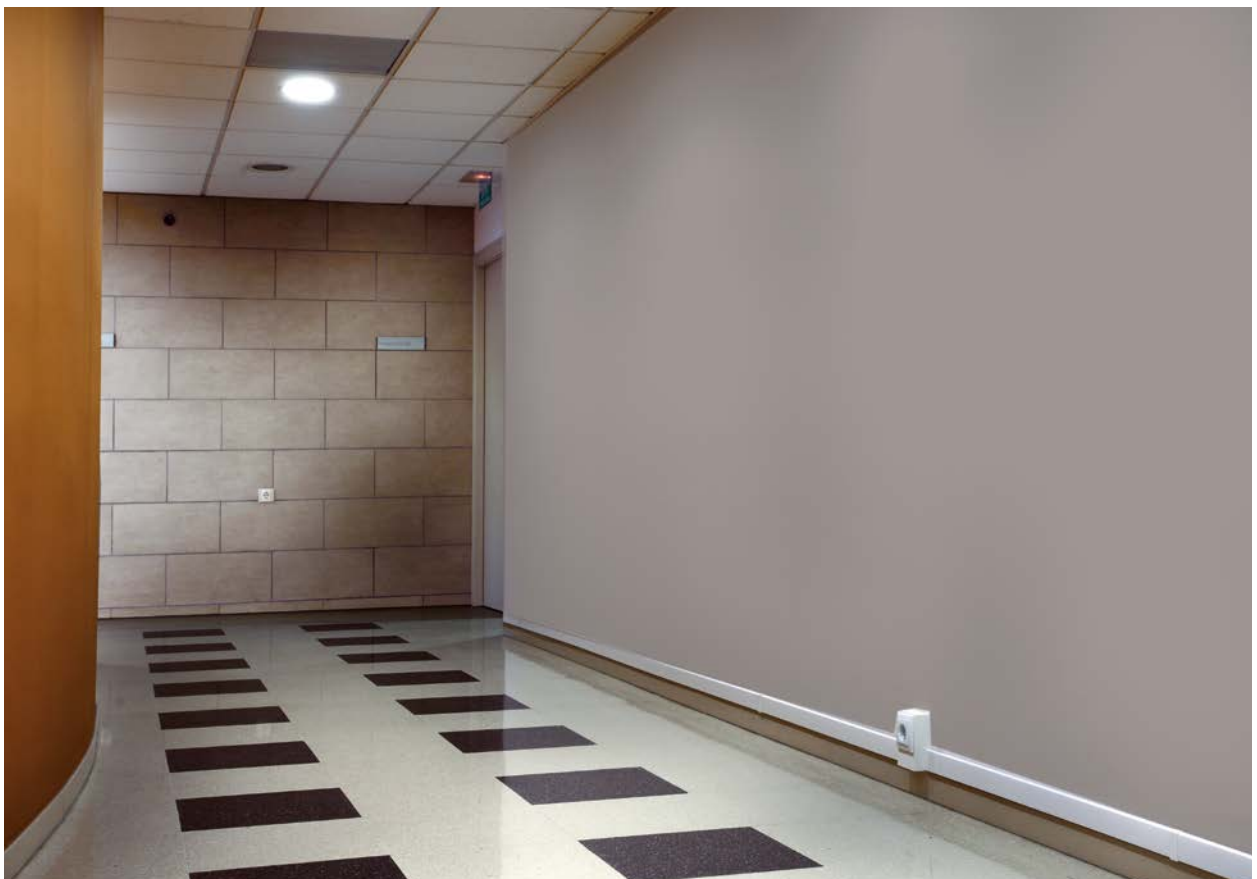
U41X / U43X

White

Mini trunking  
halogen free



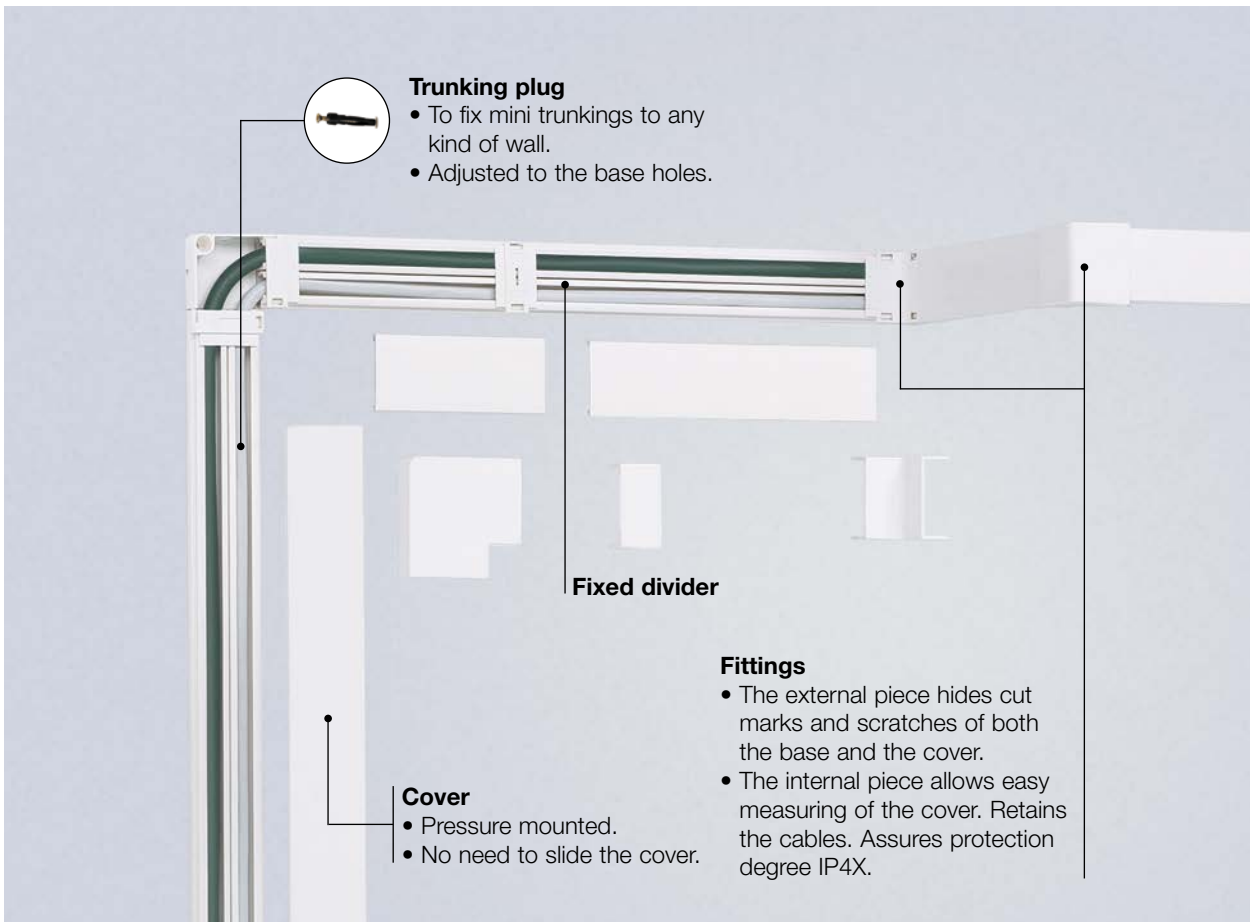
Health care: X-ray room



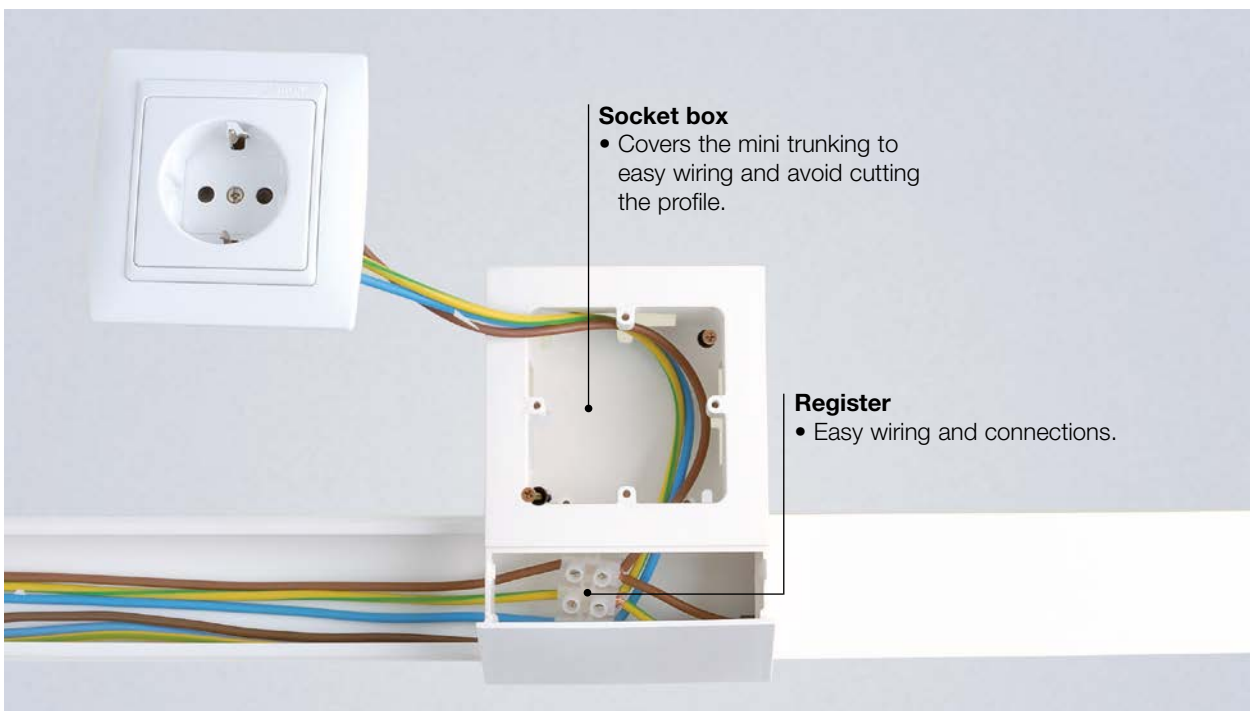
Health care: hallway

# Easy installation

## Mini trunking and fittings



## Wiring accessories, using Unex boxes



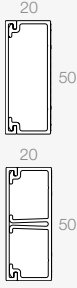
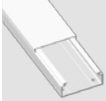
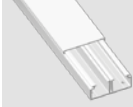


Mini trunking sizes (mm)

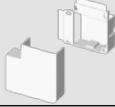
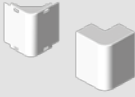
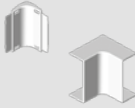


10x22

16x30


20x50

	<p>White</p> <p>RAL 9010</p> <p>(Part no. 78XXX-42)</p>			
	<p><b>Mini trunking without divider</b></p> <p>2 m</p>	<p><b>78022-42</b></p>	<p><b>78033-42</b></p>	<p><b>78045-42</b></p>
	<p><b>Mini trunking with 1 divider</b></p> <p>2 m</p>			<p><b>78095-42</b></p>


Fittings in U42X

	<p><b>Flat angle</b></p>	<p><b>78222-42</b></p>	<p><b>78233-42</b></p>	<p><b>78245-42</b></p>
	<p><b>External angle</b></p>	<p><b>78272-42</b></p>	<p><b>78283-42</b></p>	<p><b>78295-42</b></p>
	<p><b>Internal angle</b></p>	<p><b>78322-42</b></p>	<p><b>78333-42</b></p>	<p><b>78345-42</b></p>
	<p><b>End cover</b></p>	<p><b>78372-42</b></p>	<p><b>78383-42</b></p>	<p><b>78395-42</b></p>
	<p><b>Joint cover piece</b></p>	<p><b>78522-42</b></p>	<p><b>78533-42</b></p>	<p><b>78545-42</b></p>



Fixing elements in U63X


	<p><b>Trunking plug</b></p> <p>Note: Use bit Ø4 mm.</p>	<p><b>25104</b></p>
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Connection and branch box in U42X

	<p><b>Connection and branch box</b></p> <p>Note: 2 screws are included.</p>	<p><b>78503-42</b></p>	<p><b>78507-42</b></p>
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Adapters for surface switches and sockets in U42X

	<p><b>Adapter for 1 universal CEE-7 outlet</b></p>	<p><b>78740-42</b></p>
	<p><b>Adapter for 2 universal CEE-7 outlets</b></p>	<p><b>78741-42</b></p>

See next page 

## Useful cross-sections (mm<sup>2</sup>)

		Sizes (mm)	10x22	16x30	20x50	20x50	
<b>Part no.</b>	White RAL 9010	<b>78022-42</b>	<b>78033-42</b>	<b>78045-42</b>	<b>78095-42</b>		
Compartments		C1	C1	C1	C1	C2	
Recommended quantity of conductors type H07V-K	1.5 mm <sup>2</sup>	6	14	32	14	14	
	2.5 mm <sup>2</sup>	4	9	21	9	9	
	4 mm <sup>2</sup>	3	7	17	7	7	
	6 mm <sup>2</sup>	2	4	10	4	4	









Cable management  
system for cabinets  
and equipment

# Slotted trunking halogen free

# 88

raw material

**U43X**

colour

**Grey**



# 88

U43X

Grey

Slotted trunking  
halogen free

## For cable conduction in electrical and communications cabinets

- Higher safety for the installation assured by the trunking's sturdiness.
- The cover is easy to mount and remove.
- **The cover will stay in place and will not slip in any mounting position.**
- No cutting tips or edges.
- Possibility to cut until the base for better branching.

## Raw material





U43X

Trunking, retainers  
and cable compactor

Compliant



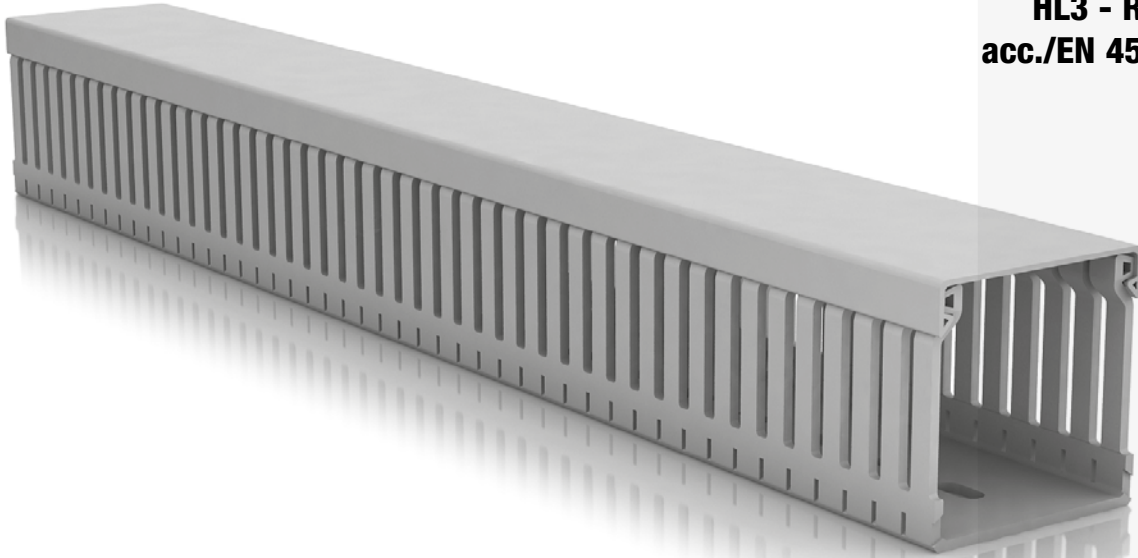
## Technical characteristics

Electrical	Maximum service temperature	Minimum transport and storage temperature	In front of fire
			
EN 50085-2-3*	EN 50085-2-3*	EN 50085-2-3*	
Insulating material. No earthing required.			Glow-fire test at 960°C. Non flame propagating. Flammability degree UL94: V0. Does not spread fire by dripping. Compliance acc./45545-2: HL3 - R22.

\* BS EN 50085-2-3 is the UK implementation of EN 50085-2-3.

Slotted trunking  
halogen free

**88** **U43X**  
Grey



**HL3 - R22**  
**acc./EN 45545-2**

Length

**2 m**

Colour

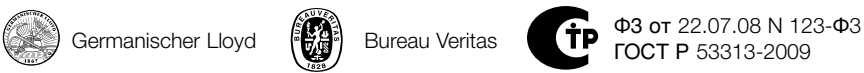
**Grey**

**RAL 7035**

### Quality marks



### Approvals



See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)

### Conformity declaration



# 88

U43X

Grey

Slotted trunking  
halogen free



Rolling stock



Airport





Railway infrastructure



Airport



Power distribution

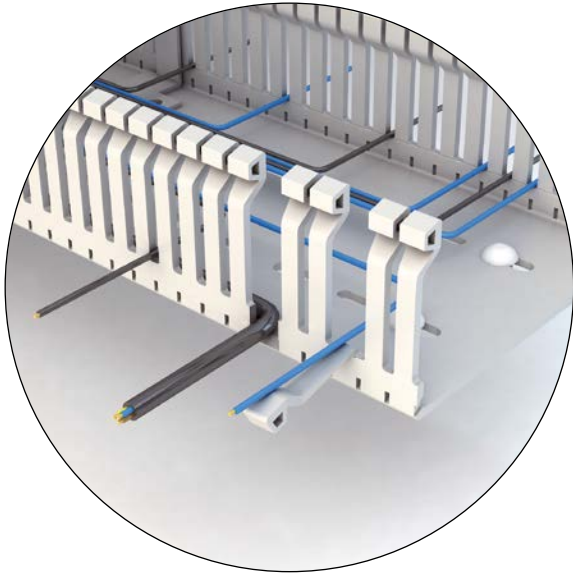
# 88

U43X

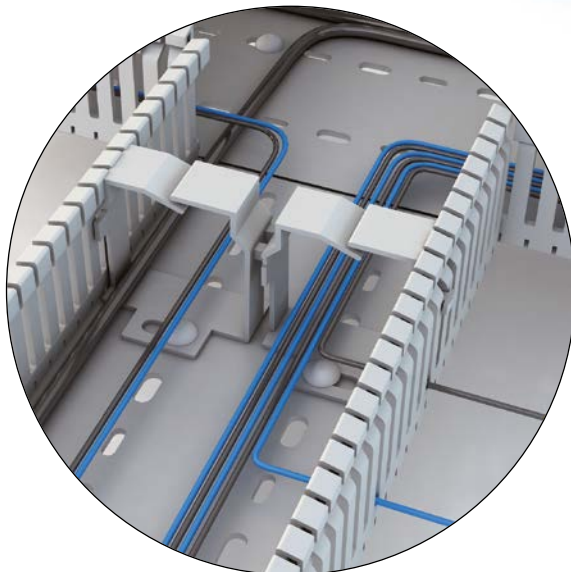
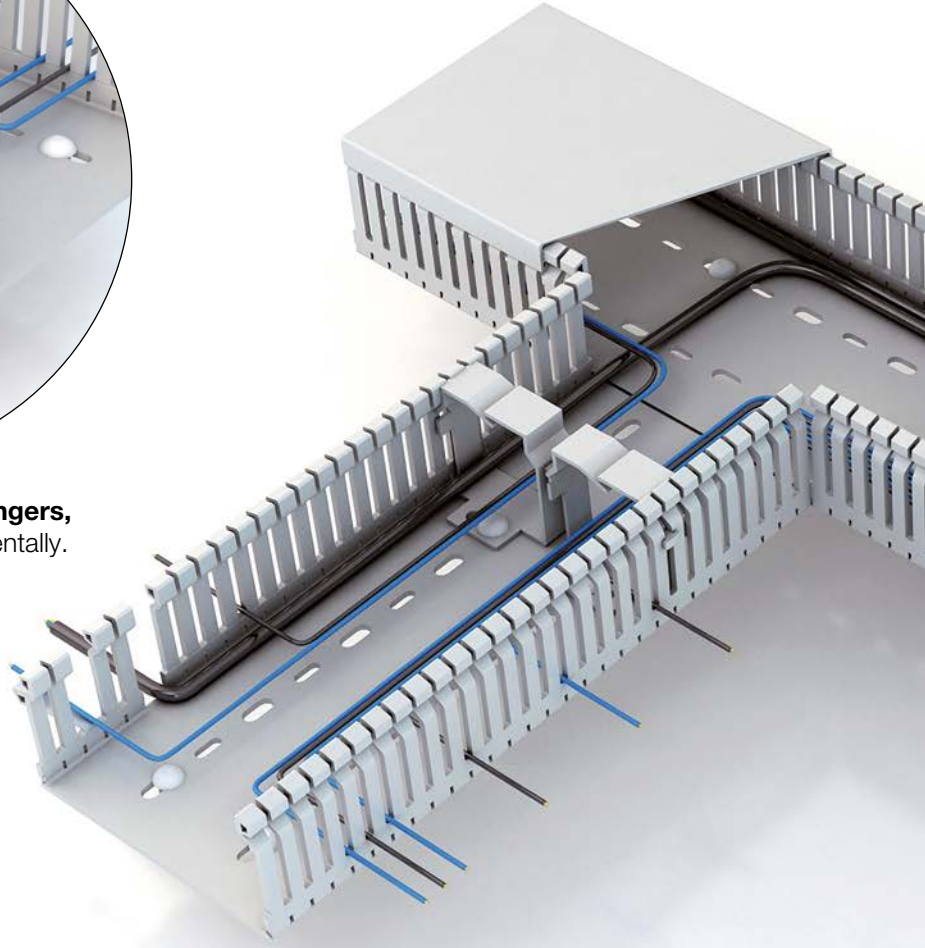
Grey

Slotted trunking  
halogen free

## Easy mounting and maintenance

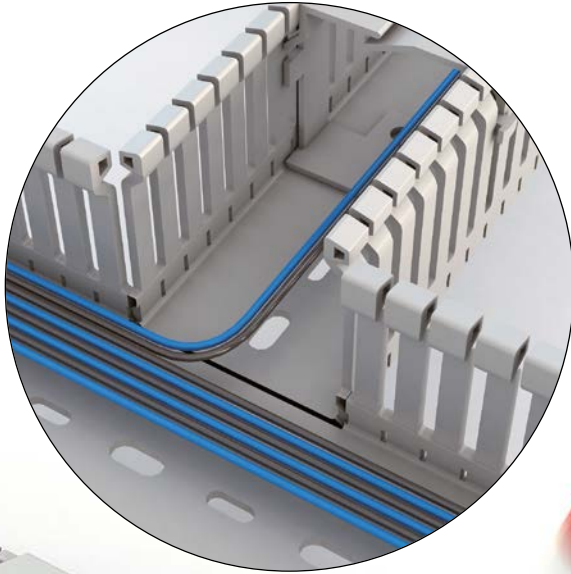


**Flexible and resistant fingers,**  
which do not break accidentally.

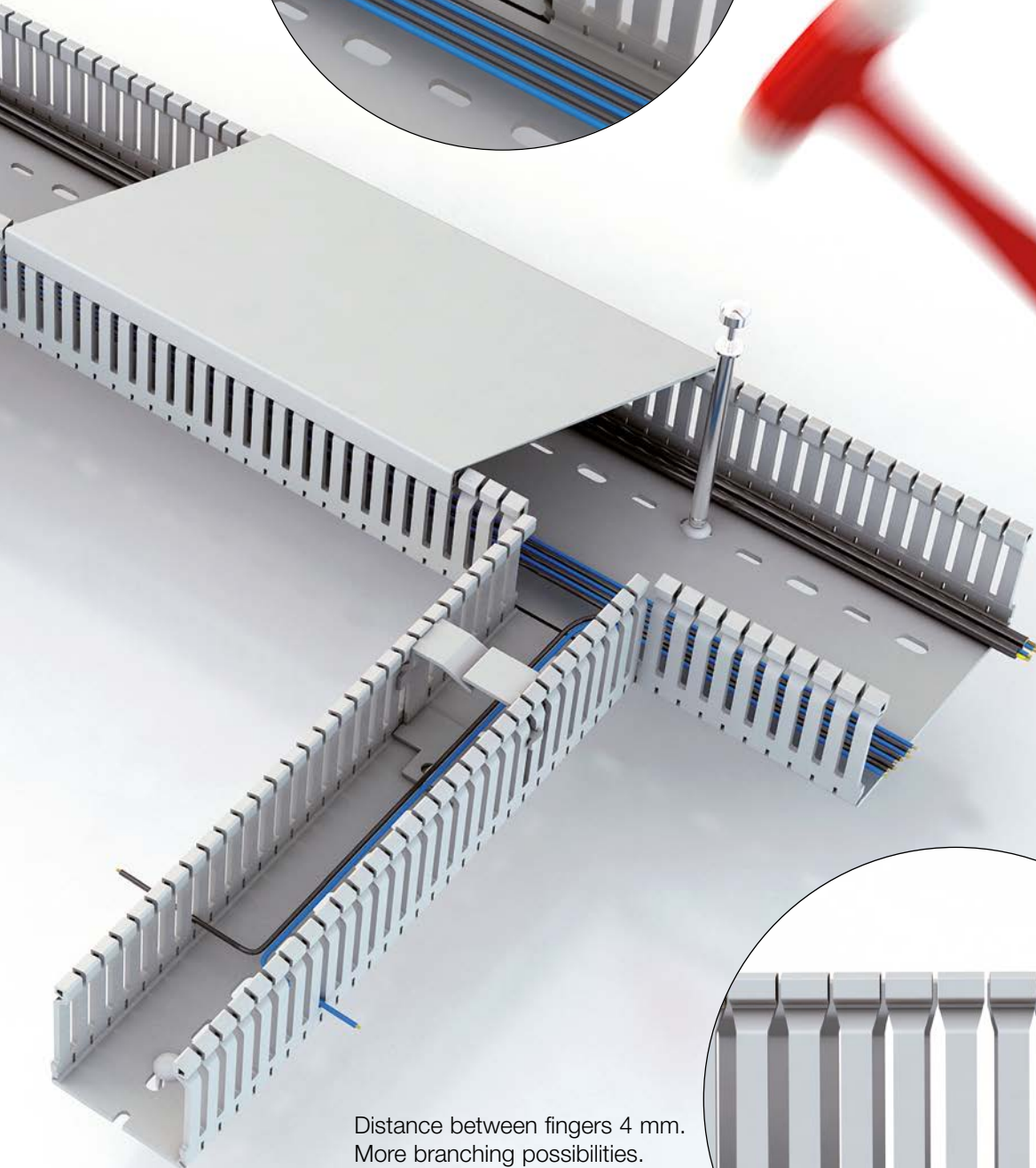


**Rigid cable retainer:** avoids  
deformations and allows circuit  
classification. Only 6 part numbers  
for 12 trunking sizes.

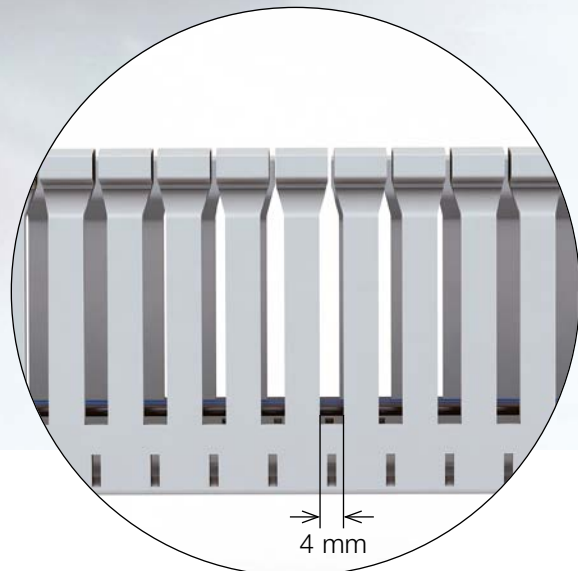




Clean cut of the sidewall to the base.  
Does not damage the cables insulation.  
Maximum branching room and cross-section.  
Quicker mounting and easier cable connections.



Distance between fingers 4 mm.  
More branching possibilities.



# 88

U43X

Grey

Slotted trunking  
halogen free

## A product with added value

### Burr-free slotted trunking

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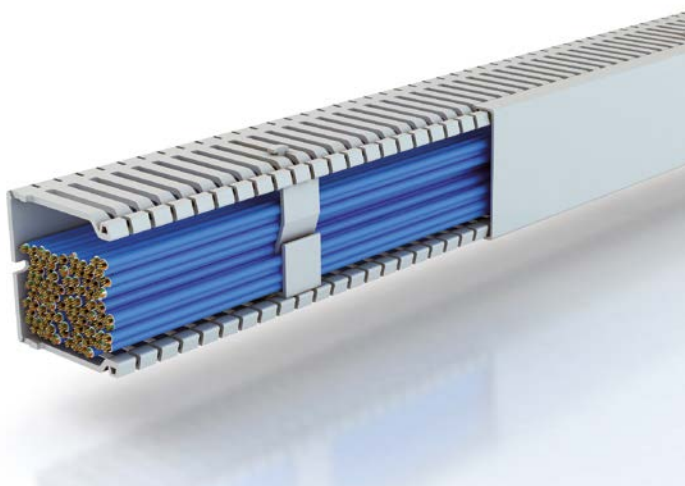
Smooth design, without burrs or sharp edges: does not damage the user's hand nor the cables during mounting. The cables insulation is not affected during transportation or in applications submitted to vibrations.



### Cover

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Easy to mount and remove.



In horizontal position, the fingers do not bend and the cover does not fall.



In vertical position, the cover does not slide.

## Solid and sturdy trunking

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Due to its solidity and sturdiness, the trunking can be suspended between rails. Few fixings required.



## Cable compactor

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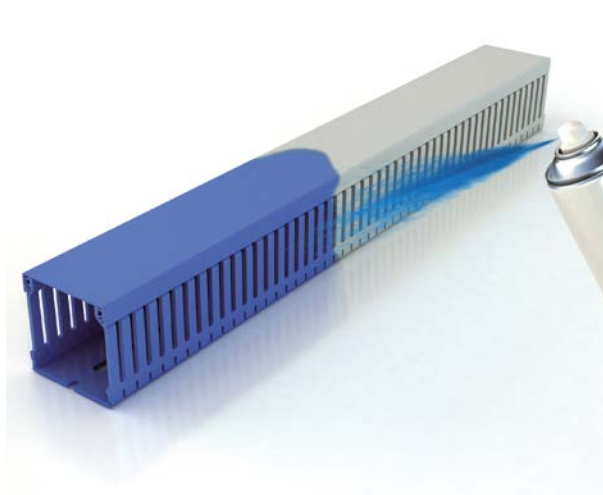
Only one part number for all trunking sizes: the retainer can be cut according to the trunking's width and can be fixed at any adjustable height.



## Possibility to paint

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Unex slotted trunkings can be painted with the most common paints.




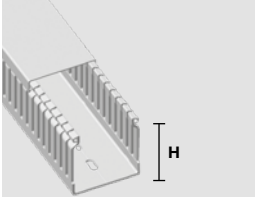

# 88

**U43X**




Grey

Slotted trunking  
halogen free




Height = 25 mm, 30 mm and 40 mm

		Slotted trunking width (mm)		20	30	40	
		 <b>Grey</b> RAL 7035					
 <b>Slotted trunking</b> 2 m	H = 25 mm			<b>25.20.88</b>			
	H = 30 mm					<b>30.30.88</b>	
	H = 40 mm			<b>40.20.88</b>		<b>40.30.88</b>	<b>40.40.88</b>
 <b>Cable compactor</b>				<b>40850</b>			




Height = 60 mm

		Slotted trunking width (mm)		20	30	40
		 <b>Slotted trunking</b> 2 m				
		H = 60 mm				
				<b>60.30.88</b>		<b>60.40.88</b>
 <b>Cable retainer</b>						<b>40864-4</b>
 <b>Cable compactor</b>				<b>40850</b>		

Height = 80 mm

		Slotted trunking width (mm)		20	30	40
		 <b>Slotted trunking</b> 2 m				
		H = 80 mm				
				<b>80.30.88</b>		<b>80.40.88</b>
 <b>Cable retainer</b>						<b>40884-4</b>
 <b>Cable compactor</b>				<b>40850</b>		

Height = 100 mm

		Slotted trunking width (mm)		20	30	40
		 <b>Slotted trunking</b> 2 m				
		H = 100 mm				
						<b>100.40.88</b>
 <b>Cable retainer</b>						<b>40894-4</b>
 <b>Cable compactor</b>				<b>40850</b>		




	60	80	100	120
	<b>40.60.88</b>			
	<b>40850</b>			

	60	80	100	120
	<b>60.60.88</b>	<b>60.80.88</b>		<b>60.120.88</b>
	<b>40865-4</b>	<b>40864-4 + 40864-4</b>		<b>40865-4 + 40865-4</b>
	<b>40850</b>			<b>40850</b>

	60	80	100	120
	<b>80.60.88</b>	<b>80.80.88</b>	<b>80.100.88</b>	<b>80.120.88</b>
	<b>40885-4</b>	<b>40884-4 + 40884-4</b>	<b>40884-4 + 40885-4</b>	<b>40885-4 + 40885-4</b>
	<b>40850</b>			

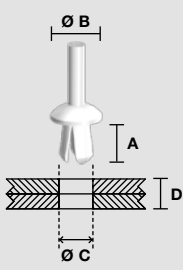
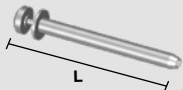
	60	80	100	120
	<b>100.60.88</b>	<b>100.80.88</b>	<b>100.100.88</b>	
	<b>40895-4</b>	<b>40894-4 + 40894-4</b>	<b>40894-4 + 40895-4</b>	
	<b>40850</b>			

See next page 

88

U43X  
GreySlotted trunking  
halogen free

## Fixing elements in U60X

		Natural		
	<b>Plastic rivet</b>	A = 6 mm Ø B = 6 mm Ø C = 3,0-3,25 mm D = 1-3 mm	<b>1303</b>	(1)
		A = 8 mm Ø B = 11 mm Ø C = 5,1-5,25 mm D = 2-5 mm	<b>1305</b>	
		A = 12 mm Ø B = 11 mm Ø C = 6,1-6,5 mm D = 5-9 mm	<b>1309</b>	
		A = 21 mm Ø B = 11 mm Ø C = 6,1-6,5 mm D = 10-18 mm	<b>1318</b>	
	<b>Riveting tool</b>	Riveting tool: can be used with part no. 1305, 1309 and 1318 L = 225 mm	<b>1300</b>	
		Riveting tool: can be used with part no. 1303 L = 120 mm	<b>1301</b>	

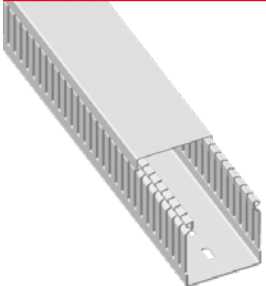
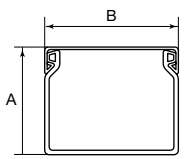
(1) To fix labels. Do not use to fix trunkings.

## Tools

	<b>Cutting tool</b> To cut the main trunking	<b>40902</b>	(1)
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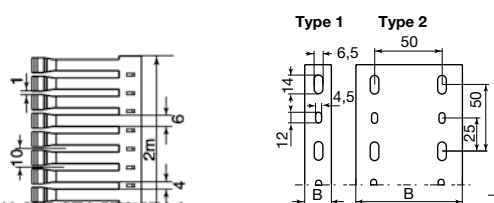
(1) Cut at 90° for trunking's width ≤ 60 mm Cut at 45° for trunking's width ≤ 40 mm.

## Sizes (mm)

 	Part. no.	Sizes mm		Fixing holes type	Pack
		Width	Height		
	25.20.88	25	20	1	60
	30.30.88	33	30	1	60
	40.20.88	42	20	1	72
	40.30.88	42	30	1	48
	40.40.88	42	43	1	32
	40.60.88	42	60	1	24
	60.30.88	60	30	1	36
	60.40.88	60	43	1	32
	60.60.88	60	60	1	32
	60.80.88	60	80	2	32
	60.120.88	60	120	2	12
	80.30.88	80	30	1	28
	80.40.88	80	43	1	24
	80.60.88	80	60	1	24
	80.80.88	80	80	2	24
	80.100.88	80	100	2	12
	80.120.88	80	120	2	12
	100.40.88	100	43	1	16
	100.60.88	100	60	1	16
	100.80.88	100	80	2	16
	100.100.88	100	100	2	8

Material: U43X

Fixing holes compatible with EN 50085-2-3\*



\* BS EN 50085-2-3 is the UK implementation of EN 50085-2-3.

See next page



## Useful cross-sections (mm<sup>2</sup>)



		Sizes (mm)		25x20	33x30	40x20	42x30	42x43	42x60
<b>Part no.</b>	<b>Grey</b> RAL 7035	<b>25.20.88</b>	<b>30.30.88</b>	<b>40.20.88</b>	<b>40.30.88</b>	<b>40.40.88</b>	<b>40.60.88</b>		
Cables V250 Number of cables (Filling ratio 1.5)*	0.5 mm <sup>2</sup>	53	116	96	154	237	346		
	0.75 mm <sup>2</sup>	35	77	63	102	157	229		
Cables H05/07 V-K Number of cables (Filling ratio 1.5)*	1 mm <sup>2</sup>	23	50	41	66	102	150		
	1.5 mm <sup>2</sup>	17	37	30	49	75	110		
	2.5 mm <sup>2</sup>	12	26	21	34	52	76		

		Sizes (mm)		60x30	60x43	60x60	60x80	60x120
<b>Part no.</b>	<b>Grey</b> RAL 7035	<b>60.30.88</b>	<b>60.40.88</b>	<b>60.60.88</b>	<b>60.80.88</b>	<b>60.120.88</b>		
Cables H05/07 V-K Number of cables (Filling ratio 1.5)*	1 mm <sup>2</sup>	98	150	219	299	450		
	1.5 mm <sup>2</sup>	72	111	161	220	331		
	2.5 mm <sup>2</sup>	50	77	112	153	230		
	4 mm <sup>2</sup>	40	61	89	122	184		
	6 mm <sup>2</sup>	23	35	51	70	106		

		Sizes (mm)		80x30	80x43	80x60	80x80	80x100	80x120
<b>Part no.</b>	<b>Grey</b> RAL 7035	<b>80.30.88</b>	<b>80.40.88</b>	<b>80.60.88</b>	<b>80.80.88</b>	<b>80.100.88</b>	<b>80.120.88</b>		
Cables H05/07 V-K Number of cables (Filling ratio 1.5)*	1 mm <sup>2</sup>	132	203	291	399	504	606		
	1.5 mm <sup>2</sup>	97	149	215	293	371	446		
	2.5 mm <sup>2</sup>	68	104	149	204	258	309		
	4 mm <sup>2</sup>	54	83	118	162	206	247		
	6 mm <sup>2</sup>	31	47	68	92	118	142		

\* Note: For other types of cables, the necessary section results from the application of the following formula: Section = Cable section x no. of cables x 1.5.

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# 88

**U43X**

Grey

Slotted trunking  
halogen free

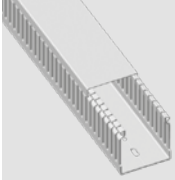




Sizes (mm)

100x43

100x60

100x80

100x100

Part no.	Grey RAL 7035	100.40.88	100.60.88	100.80.88	100.100.88
		 3585	 5179	 7110	 9000
Cables H05/07 V-K Number of cables (Filling ratio 1.5)*	1 mm <sup>2</sup>	253	366	502	633
	1.5 mm <sup>2</sup>	186	271	369	465
	2.5 mm <sup>2</sup>	129	188	257	324
	4 mm <sup>2</sup>	103	149	204	258
	6 mm <sup>2</sup>	59	85	117	148

\* Note: For other types of cables, the necessary section results from the application of the following formula:  
Section = Cable section x no. of cables x 1.5.



Tying and fixing  
system

# Cable ties

# 22

raw material

U61X / U60X

colour

Black

Natural

Grey

## For tying of cables and conduits

- Complete product family for all kind of applications.
- **Hand thread**, easier mounting at site.
- Certified Product by the most stringent certification bodies.
- Insulating material: **halogen free**.
- High tensile strength.

### Raw material

### Black colour



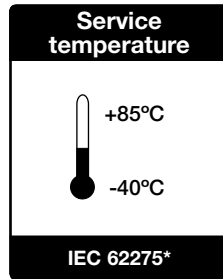
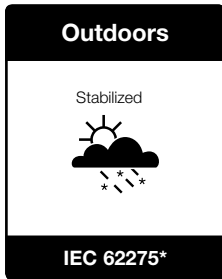
Cable ties



Compliant



### Technical characteristics



- For outdoor and indoor installations.

### Raw material

### Natural and grey RAL 7035 colour



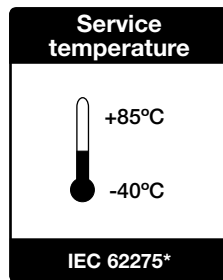
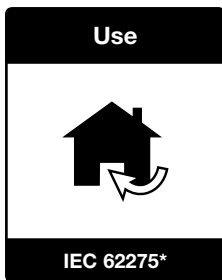
Cable ties



Compliant



### Technical characteristics



- For indoor installations.

\* The values indicated according to IEC 62275 have been tested under the equivalent standard EN 62275. BS EN 62275 is the UK implementation of EN 62275 and IEC 62275.



Colour

**Black**

**Natural**

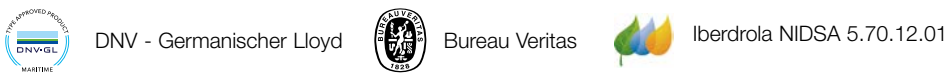
**Grey**

**RAL 7035**

Quality marks



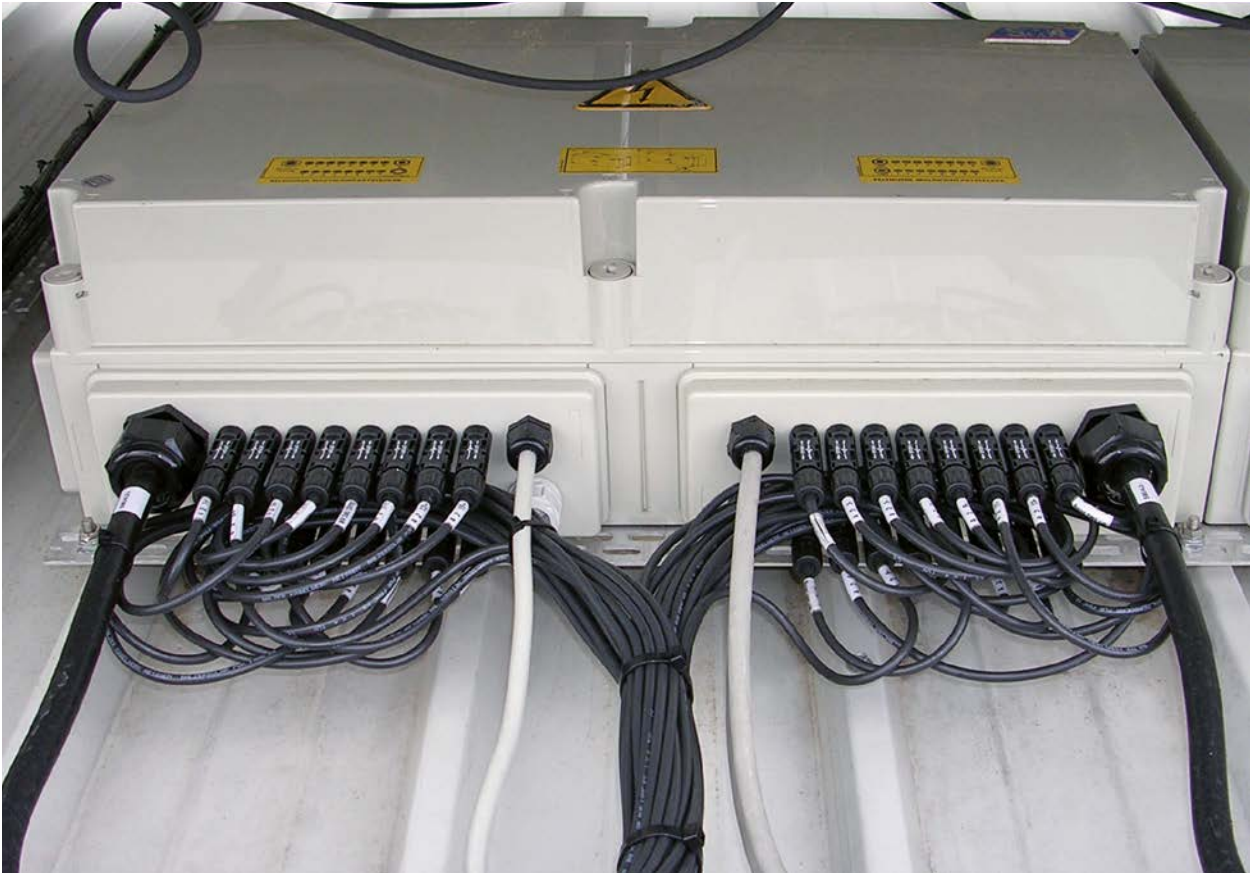
Approvals



Conformity declaration



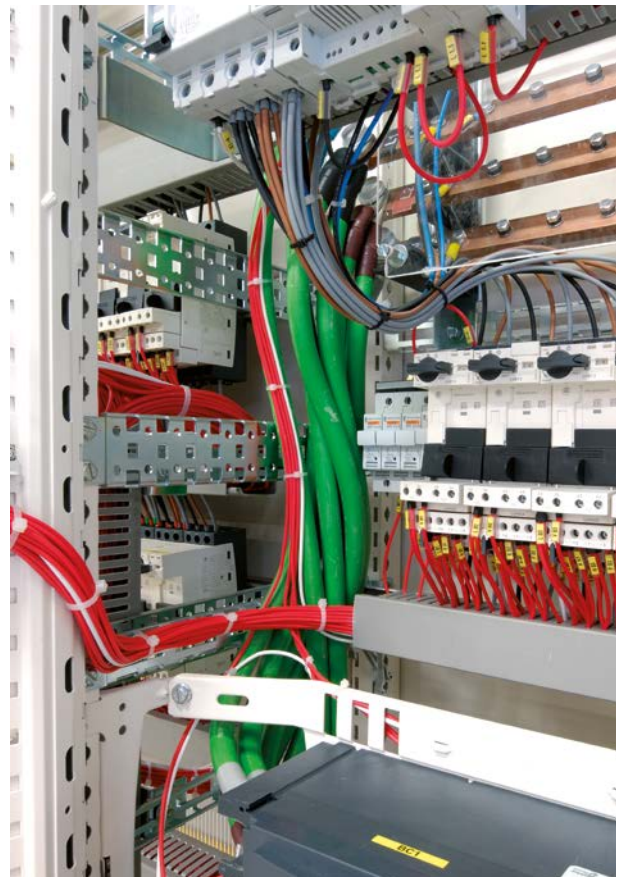
See updated technical information of each part number on [www.unex.net](http://www.unex.net)



Photovoltaics



Tunnels and railway infrastructure



Tunnels and railway infrastructure





Work spaces: office



Water treatment



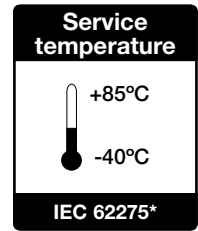
Photovoltaics



Airport: fingers

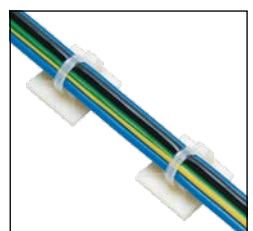
# Complete product family for all types of applications

- 14 sizes of cable ties to cover a diameter scope from 1.6 mm to 362 mm.
- High tensile strength acc./IEC 62275\*.
- Good performance at low temperatures.



Compatible with other Unex solutions

### Fixings 25



### Fixings 26

\* The values indicated according to IEC 62275 have been tested under the equivalent standard EN 62275. BS EN 62275 is the UK implementation of EN 62275 and IEC 62275.

# A product with added value

## Easy mounting and smooth threading

Unex cable ties are easy to thread, allowing quick and effortless manual assembly. Finger-friendly rounded ends.



## Insulating locking mechanism

Highly resistant, assures easy fixing and tightening of the cable tie.



## Inside teeth

Inside flush teeth, assuring tightening and protecting the cable jacket.



## Quality marks

The quality of Unex cable ties is recognized by the most stringent quality marks and approvals.

UL approval both for raw material and finished product.



Approvals:



See updated quality marks of each part number on [www.unex.net](http://www.unex.net)

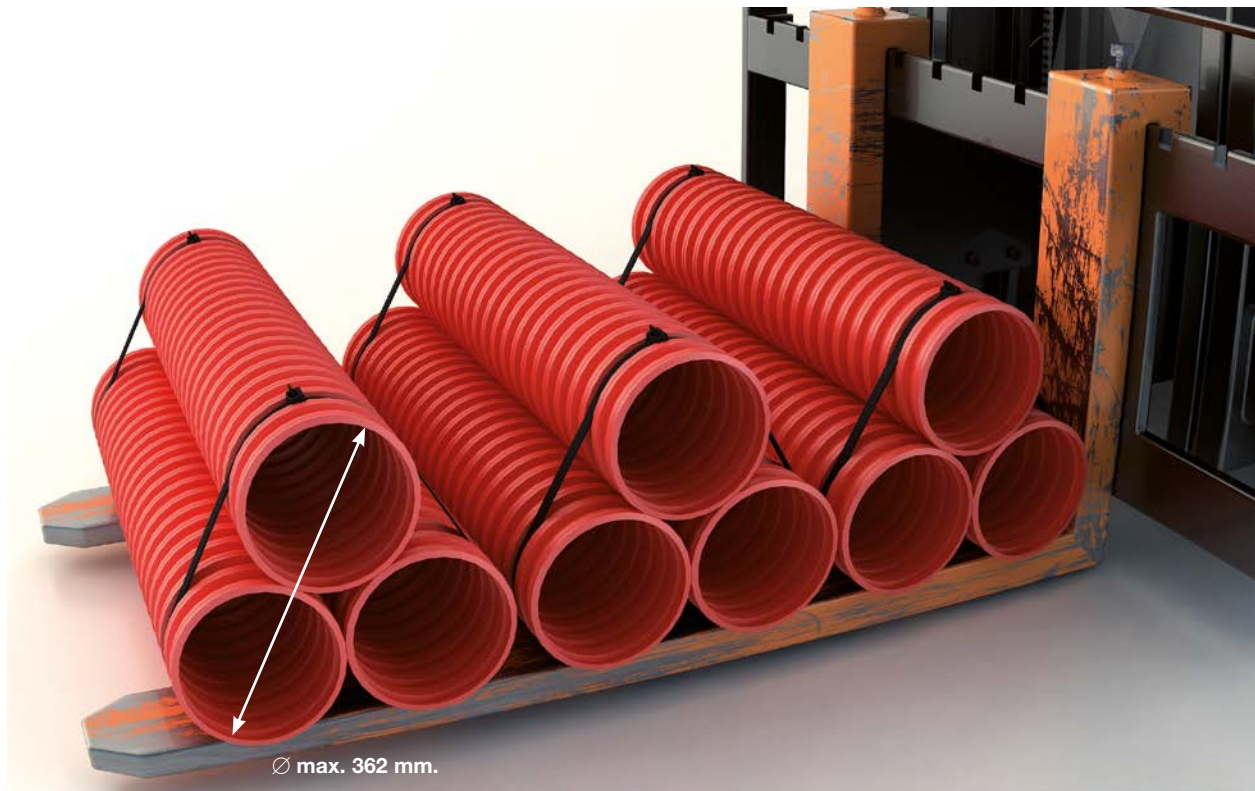


## Big size cable ties - Applications

Unex has completed the cable ties product family with 2 new big sizes: 12.7x1000 mm. and 12.7x1200 mm., for special applications in which a large tying diameter is required. All sizes are available in our stock.

### Buried pipes

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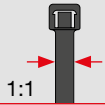
## Industrial HVAC

---





Width 2.5 mm



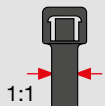
Cable ties sizes (width x length)

2.5x101

2.5x190

<p><b>U61X</b> Black</p>	<p><b>Cable ties for outdoor use</b> Weather-stabilized</p>	<b>2221-0</b>	<b>2225-0</b>
<p><b>U60X</b> Natural</p>	<p><b>Cable ties for indoor use</b></p>	<b>2221</b>	<b>2225</b>

Width 3.6 mm



Cable ties sizes (width x length)

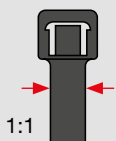
3.6x142

3.6x199

3.6x279

<p><b>U61X</b> Black</p>	<p><b>Cable ties for outdoor use</b> Weather-stabilized</p>	<b>2233-0</b>	<b>2235-0</b>	<b>2237-0</b>
<p><b>U60X</b> Natural</p>	<p><b>Cable ties for indoor use</b></p>	<b>2233</b>	<b>2235</b>	<b>2237</b>
<p><b>U60X</b> Grey RAL 7035</p>	<p><b>Cable ties for indoor use</b></p>	<b>2233-3</b>		

Width 4.8 mm



Cable ties sizes (width x length)

4.8x188

4.8x287

4.8x370

<p><b>U61X</b> Black</p>	<p><b>Cable ties for outdoor use</b> Weather-stabilized</p>	<b>2244-0</b>	<b>2247-0</b>	<b>2249-0</b>
<p><b>U60X</b> Natural</p>	<p><b>Cable ties for indoor use</b></p>	<b>2244</b>	<b>2247</b>	<b>2249</b>
<p><b>U60X</b> Grey RAL 7035</p>	<p><b>Cable ties for indoor use</b></p>	<b>2244-3</b>	<b>2247-3</b>	

Note: Due to the variety of factors affecting the performance of the cable ties under chemical agents (concentration, temperature, UV rays, mounting way, etc.), the particular atmosphere of certain installations must be individually studied with a specific test.

See next page



<p>Width 7.6 mm</p>		<p>Cable ties sizes (width x length)</p> <p>7.6x218      7.6x299      7.6x376      7.6x709</p>			
<p><b>U61X</b> Black</p>	<p><b>Cable ties for outdoor use</b> Weather-stabilized</p>	<b>2271-0</b>	<b>2272-0</b>	<b>2273-0</b>	<b>2278-0</b>
<p><b>U60X</b> Natural</p>	<p><b>Cable ties for indoor use</b></p>	<b>2271</b>	<b>2272</b>	<b>2273</b>	<b>2278</b>
<p>Width 12.7 mm</p>		<p>Cable ties sizes (width x length)</p> <p>12.7x1000      12.7x1200</p>			
<p><b>U61X</b> Black</p>	<p><b>Cable ties for outdoor use</b> Weather-stabilized</p>	<b>2296-0</b>		<b>2298-0</b>	

Note: Due to the variety of factors affecting the performance of the cable ties under chemical agents (concentration, temperature, UV rays, mounting way, etc.), the particular atmosphere of certain installations must be individually studied with a specific test.

## Sales possibilities

New presentation: easy-to-open bags for cable ties and fixing elements.

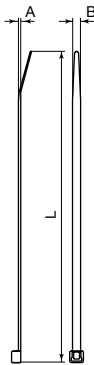


### Dimensions

HEIGHT	220 cm
WIDTH	70 cm
DEPTH	45 cm

# Sizes (mm)

### 1. Cable ties for indoor and outdoor installations (black)



Part. no.	Sizes mm			ø Use mm		Resistance s/IEC 62275 kg	62275 N	Designation MS 3367
	A	B	L	Max.	Min.			
2221-0	1	2.5	101	22	1.6	8.16	80	MS 3367-4
2225-0	1	2.5	190	50	1.6	8.16	80	*
2233-0	1.2	3.6	142	32	1.6	13.6	130	MS 3367-5
2235-0	1.2	3.6	199	50	1.6	13.6	130	*
2237-0	1.2	3.6	279	76	1.6	13.6	130	*
2244-0	1.4	4.8	188	45	1.6	22.6	220	MS 3367-1
2247-0	1.4	4.8	287	76	1.6	22.6	220	MS 3367-7
2249-0	1.4	4.8	370	102	1.6	22.6	220	MS 3367-2
2271-0	1.8	7.6	218	50	4.8	54.4	530	*
2272-0	1.8	7.6	299	76	4.8	54.4	530	*
2273-0	1.8	7.6	376	102	4.8	54.4	530	MS 3367-3
2278-0	1.8	7.6	709	203	4.8	54.4	530	MS 3367-6
2296-0	2	12.7	1000	298	70	117.3	1150	*
2298-0	2	12.7	1200	362	70	117.3	1150	*

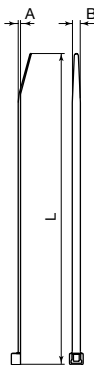
Colour: Black

Material: U61X suitable for outdoors

\* Cable ties without the MS designation fulfil the conditions set in the standards for models of the same width. The only change is the bundle diameter.

Note: It is recommended to keep the bag closed until use.

### 2. Cable ties for indoor use (natural)



Part. no.	Sizes mm			ø Use mm		Resistance s/IEC 62275 kg	62275 N	Designation MS 3367
	A	B	L	Max.	Min.			
2221	1	2.5	101	22	1.6	8.16	80	MS 3367-4
2225	1	2.5	190	50	1.6	8.16	80	*
2233	1.2	3.6	142	32	1.6	13.6	130	MS 3367-5
2235	1.2	3.6	199	50	1.6	13.6	130	*
2237	1.2	3.6	279	76	1.6	13.6	130	*
2244	1.4	4.8	188	45	1.6	22.6	220	MS 3367-1
2247	1.4	4.8	287	76	1.6	22.6	220	MS 3367-7
2249	1.4	4.8	370	102	1.6	22.6	220	MS 3367-2
2271	1.8	7.6	218	50	4.8	54.4	530	*
2272	1.8	7.6	299	76	4.8	54.4	530	*
2273	1.8	7.6	376	102	4.8	54.4	530	MS 3367-3
2278	1.8	7.6	709	203	4.8	54.4	530	MS 3367-6

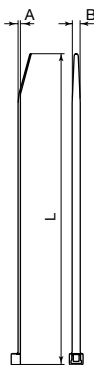
Colour: Natural

Material: U60X

\* Cable ties without the MS designation fulfil the conditions set in the standards for models of the same width. The only change is the bundle diameter.

Note: It is recommended to keep the bag closed until use.

### 3. Cable ties for indoor use (grey RAL 7035)



Part. no.	Sizes mm			ø Use mm		Resistance s/IEC 62275 kg	62275 N	Designation MS 3367
	A	B	L	Max.	Min.			
2233-3	1.2	3.6	142	32	1.6	13.6	130	MS 3367-5
2244-3	1.4	4.8	188	45	1.6	22.6	220	MS 3367-1
2247-3	1.4	4.8	287	76	1.6	22.6	220	MS-3367-7

Colour: Grey RAL 7035

Material: U60X

Note: It is recommended to keep the bag closed until use.



Tying and fixing  
system using

# Cable ties 22 HD

raw material  
colour

**U71X**  
**Black**

raw material  
colour

**22**  
**PP**  
**Grey**

For chemical  
environments

# 22

U71X / PP  
Black / Grey

Cable ties

## For chemical environments

- Good results with exposure to acids.
- UV resistant.
- Hand thread, easier mounting at site.
- Own design and manufacture. **Unex does not manufacture for other trademarks.**
- Insulating, halogen free material: maximum electrical safety.

### Raw material

### Black colour

**U71X**

Cable ties 22HD

Compliant



## Technical characteristics

Outdoors	Indoors	Service temperature	Mechanical	Corrosion
<p>Stabilized</p> <p>IEC 62275*</p>	<p>IEC 62275*</p>	<p>+105°C -60°C</p> <p>IEC 62275*</p> <p>Good performance at low temperatures.</p>	<p>IEC 62275*</p> <p>Width 2.5 mm and 3.6 mm. Type I acc./IEC 62275*.</p> <hr/> <p>Width 4.8 mm and 7.6 mm. Type II acc./IEC 62275*.</p>	<p>IEC 62275*</p> <p>Good resistance to corrosion and to chemical agents.</p>

### Raw material

### Grey colour RAL 7030

**PP**

Cable ties

Compliant



## Technical characteristics

Indoors	Service temperature	Mechanical	Corrosion
<p>IEC 62275*</p>	<p>+85°C -40°C</p> <p>IEC 62275*</p>	<p>IEC 62275*</p> <p>Type I.</p>	<p>ISO/TR 10358 DIN 8061</p> <p>Good resistance to corrosion and to chemical agents.</p>

\* The values indicated according to IEC 62275 have been tested under the equivalent standard EN 62275. BS EN 62275 is the UK implementation of EN 62275 and IEC 62275.



Colour

**Black**

**Grey**

**RAL 7030**

### Quality marks



### Approvals



DNV - Germanischer Lloyd



Bureau Veritas

See updated technical information of each part number on [www.unex.net](http://www.unex.net)

### Conformity declaration







Industry



Water treatment



Chemical industry



# A product with added value

## Easy mounting and smooth threading

Unex cable ties are easy to thread, allowing quick and effortless manual assembly. Finger-friendly rounded ends.



## Inside teeth

Inside flush teeth, assuring tightening and protecting the cable jacket.



## Quality marks

The quality of Unex cable ties is recognised by the most stringent quality marks.

Quality marks





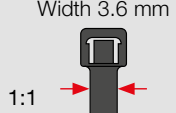

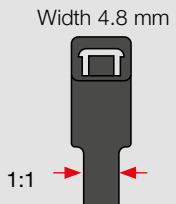

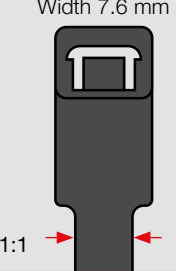

Approvals:



See updated technical information of each part number on [www.unex.net](http://www.unex.net)

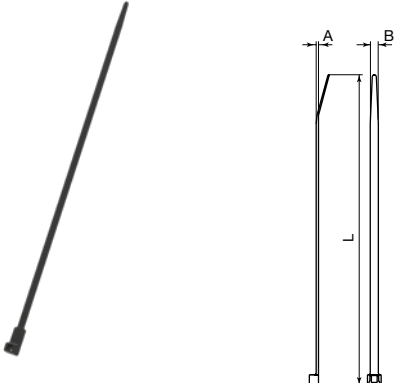


Cable ties 22 HD in **U71X** for outdoor and indoor installations

 <p>Width 2.5 mm 1:1</p>		<p>Cable ties sizes (width x length) 2.5x101</p>	
 <p><b>U71X</b> Black Cable ties for chemical environments Weather-stabilized</p>	<b>2221HD</b>		
 <p>Width 3.6 mm 1:1</p>		<p>Cable ties sizes (width x length) 3.6x142</p>	
 <p><b>U71X</b> Black Cable ties for chemical environments Weather-stabilized</p>	<b>2233HD</b>		
 <p>Width 4.8 mm 1:1</p>		<p>Cable ties sizes (width x length) 4.8x188                      4.8x287</p>	
 <p><b>U71X</b> Black Cable ties for chemical environments Weather-stabilized</p>	<b>2244HD</b>	<b>2247HD</b>	
 <p>Width 7.6 mm 1:1</p>		<p>Cable ties sizes (width x length) 7.6x299                      7.6x376</p>	
 <p><b>U71X</b> Black Cable ties for chemical environments Weather-stabilized</p>	<b>2272HD</b>	<b>2273HD</b>	

Note: Due to the variety of factors affecting the performance of the cable ties under chemical agents (concentration, temperature, Uvs, mounting way, etc.), the particular atmosphere of certain installations must be individually studied with a specific test.

## Sizes (mm)

Cable ties for chemical environments	Part no.	Sizes mm			ø Use mm		Resistance acc./IEC 62275	Designation	
		A	B	L	Max.	Min.	Kg	N	MS 3367
	<b>2221HD</b>	1	2.5	101	22	1.6	8.16	80	MS 3367-4
	<b>2233HD</b>	1.2	3.6	142	32	1.6	13.6	130	MS 3367-5
	<b>2244HD</b>	1.4	4.8	188	45	6	22.6	220	MS 3367-1
	<b>2247HD</b>	1.4	4.8	287	76	6	22.6	220	MS 3367-7
	<b>2272HD</b>	1.8	7.6	299	76	6	54.4	530	*
	<b>2273HD</b>	1.8	7.6	376	102	6	54.4	530	MS 3367-3

**Colour: Black**                      **Material: U71X suitable for outdoors**  
 \* Cable ties without the MS designation fulfil the conditions set in the standards for models of the same width. The only change is the bundle diameter.  
 Note: It is recommended to keep the bag closed until use.

## Cable ties 22 in **PP** for indoor installations

 Width 4.8 mm 1:1	Cable ties sizes (width x length)		4.8x188	4.8x287	
 Width 7.6 mm 1:1	Cable ties sizes (width x length)		7.6x218	7.6x299	7.6x376
 <b>PP</b> Grey RAL 7030	Cable ties for chemical environments	<b>2244-1</b>	<b>2247-1</b>		
 <b>PP</b> Grey RAL 7030	Cable ties for chemical environments	<b>2271-1</b>	<b>2272-1</b>	<b>2273-1</b>	

Note: Due to the variety of factors affecting the performance of the cable ties under chemical agents (concentration, temperature, Uvs, mounting way, etc.), the particular atmosphere of certain installations must be individually studied with a specific test.

## Sizes (mm)

Cable ties for chemical environments (grey RAL 7030)	Part no.	Sizes mm			ø Use mm		Resistance N	Designation
		A	B	L	Max.	Min.		
	<b>2244-1</b>	1.4	4.8	188	45	1.6	130	MS 3367-1
	<b>2247-1</b>	1.4	4.8	287	76	1.6	130	MS 3367-7
	<b>2271-1</b>	1.8	7.6	218	50	4.8	360	*
	<b>2272-1</b>	1.8	7.6	299	76	4.8	360	*
	<b>2273-1</b>	1.8	7.6	376	102	4.8	360	MS 3367-3

**Colour: grey RAL 7030** **Material: PP**

\* Cable ties without the MS designation fulfill the conditions set in the standards for models of the same width. The only change is the bundle diameter.

Note: It is recommended to keep the bag closed until use.





Tying and fixing  
system

# Detectable cable ties

22 DT

raw material  
colour

**U62X**

Blue

# 22

**U62X**

Blue

Cable ties 22  
detectable DT

For food and pharmaceutical industries and all applications susceptible to contamination, where detection equipment is used

- Reduces the risk of contamination of the final product and assures compliance with the requirements of the HACCP Directive (Hazard Analysis Critical Control Points).
- Threading and manual closure for easy mounting.
- Insulating material.

## Raw material



Cable ties 22 detectable DT

Compliant



## Technical characteristics

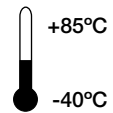
**Use**



**IEC 62275\***

For indoor installations.

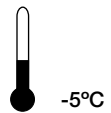
**Service temperature**



**IEC 62275\***


Good performance at low temperatures.

**Minimum mounting temperature**



**IEC 62275\***

**Mechanical**



**IEC 62275\***

Type I.

\* The values indicated according to IEC 62275 have been tested under the equivalent standard EN 62275. BS EN 62275 is the UK implementation of EN 62275 and IEC 62275.



Cable ties 22  
detectable DT

22 **U62X**  
Blue



Colour

Blue

**RAL 5009**

Quality marks



Conformity declaration



See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)

22

U62X  
Blue

Cable ties 22  
detectable DT



Food industry



Food industry

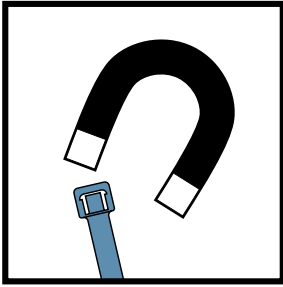


Food industry



Pharmaceutical industry

# Detection systems

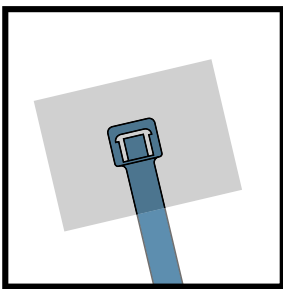


## Metal detectors

Unex Detectable cable ties 22 DT have been tested (\*) by metal detectors. For the purpose of guidance, the smallest cable tie piece detected by metal detectors until 200 mm aperture is:

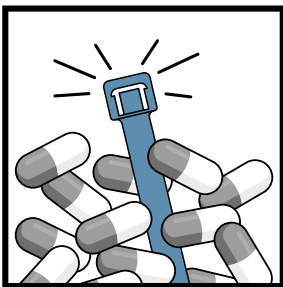
Dry product	Humid product
7 mm	9 mm

(\*) Testing conducted with products and inspection equipment by METTLER TOLEDO. A cable tie's detectability can be influenced by certain factors (type of analysed product, type and sensitivity of the detection device, inspection speed). It is recommended to carry out a detection test at several checkpoints.



## X- rays devices

Unex Detectable cable ties 22 DT are also susceptible to be located by X-ray units.



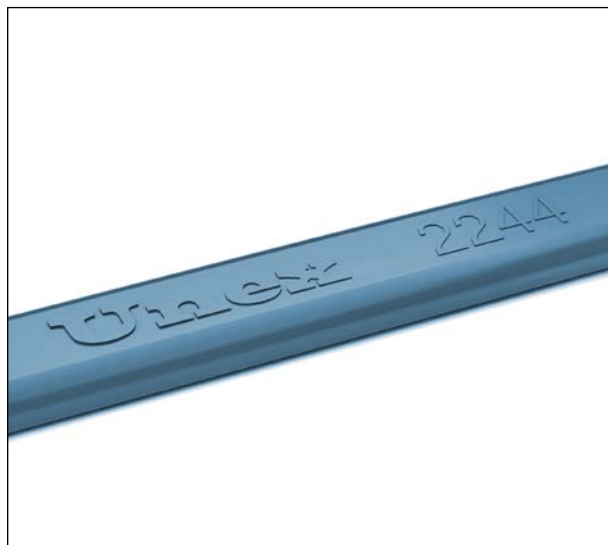
## Visual detection

The blue colour of Unex Detectable cable ties 22 DT allows easy visual detection along the whole process and reduces contamination risk.

# A product with added value



Highly resistant insulating locking mechanism.



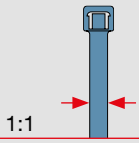
Own raw material specially designed to avoid breakage.

# 22

**U62X**  
Blue

Cable ties 22  
detectable DT

Width 2.5 mm



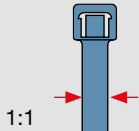
Cable ties sizes (width x length)  
2.5x101

**U62X** Blue  
RAL 5009

Detectable cable ties

**2221DT**

Width 3.6 mm



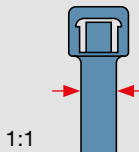
Cable ties sizes (width x length)  
3.6x142

**U62X** Blue  
RAL 5009

Detectable cable ties

**2233DT**

Width 4.8 mm



Cable ties sizes (width x length)  
4.8x188      4.8x287

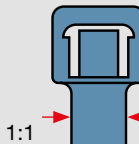
**U62X** Blue  
RAL 5009

Detectable cable ties

**2244DT**

**2247DT**

Width 7.6 mm



Cable ties sizes (width x length)  
7.6x376

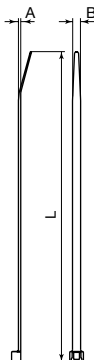
**U62X** Blue  
RAL 5009

Detectable cable ties

**2273DT**

## Sizes (mm)

Cable ties for indoor use (blue RAL 5009)



Part no.	Sizes mm			ø Use mm		Resistance Kg	s/EN 62275 N	Designation MS 3367
	A	B	L	Max.	Min.			
<b>2221DT</b>	1	2.5	101	22	1.6	8.16	80	MS 3367-4
<b>2233DT</b>	1.2	3.6	142	32	1.6	13.6	130	MS 3367-5
<b>2244DT</b>	1.4	4.8	188	45	1.6	22.6	220	MS 3367-1
<b>2247DT</b>	1.4	4.8	287	76	1.6	22.6	220	MS 3367-7
<b>2273DT</b>	1.8	7.6	376	102	4.8	54.4	530	MS 3367-3

**Colour: blue RAL 5009**      **Material: U62X**

\* Cable ties without the MS designation fulfill the conditions set in the standards for models of the same width. The only change is the bundle diameter.

Note: It is recommended to keep the bag closed until use.



Fastening  
system

# Fixings 25

raw material

**U63X**

**U64X**

colour

**Black**

**Grey**



# Wall plug 25

For fixing cables and conduits in all types of installations

- Combined use with Cable ties 22 in indoor and outdoor installations.
- Good outdoor performance and resistance to corrosion.
- Easy mounting, even at low temperatures.
- Good resistance to extraction.
- **Halogen free.**

## Raw material

**U63X**

Wall plug

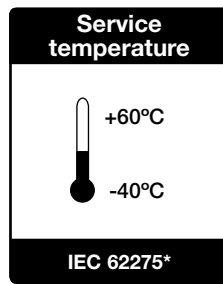
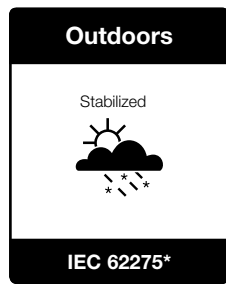
Compliant



## Black colour



## Technical characteristics



- For outdoor and indoor installations.

## Raw material

**U64X**

Wall plug

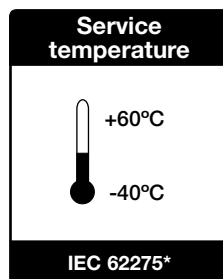
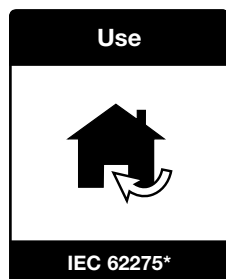
Compliant



## Grey RAL 7035 colour



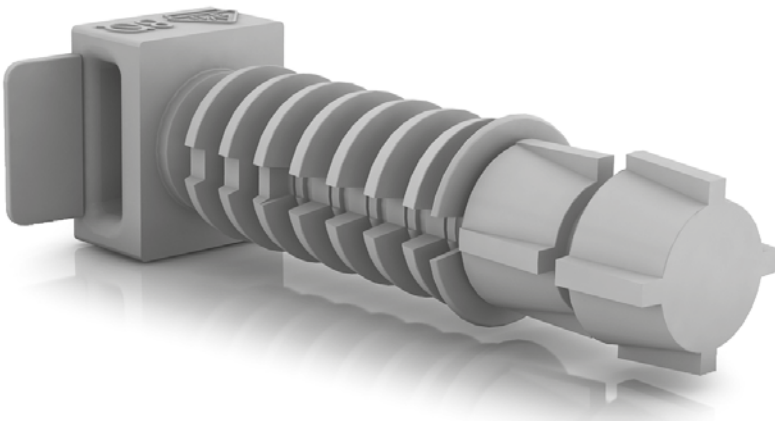
## Technical characteristics



- For indoor installations.

\* The values indicated according to IEC 62275 have been tested under the equivalent standard EN 62275. BS EN 62275 is the UK implementation of EN 62275 and IEC 62275.





Colour

**Black**

Grey

**RAL 7035**

Quality marks



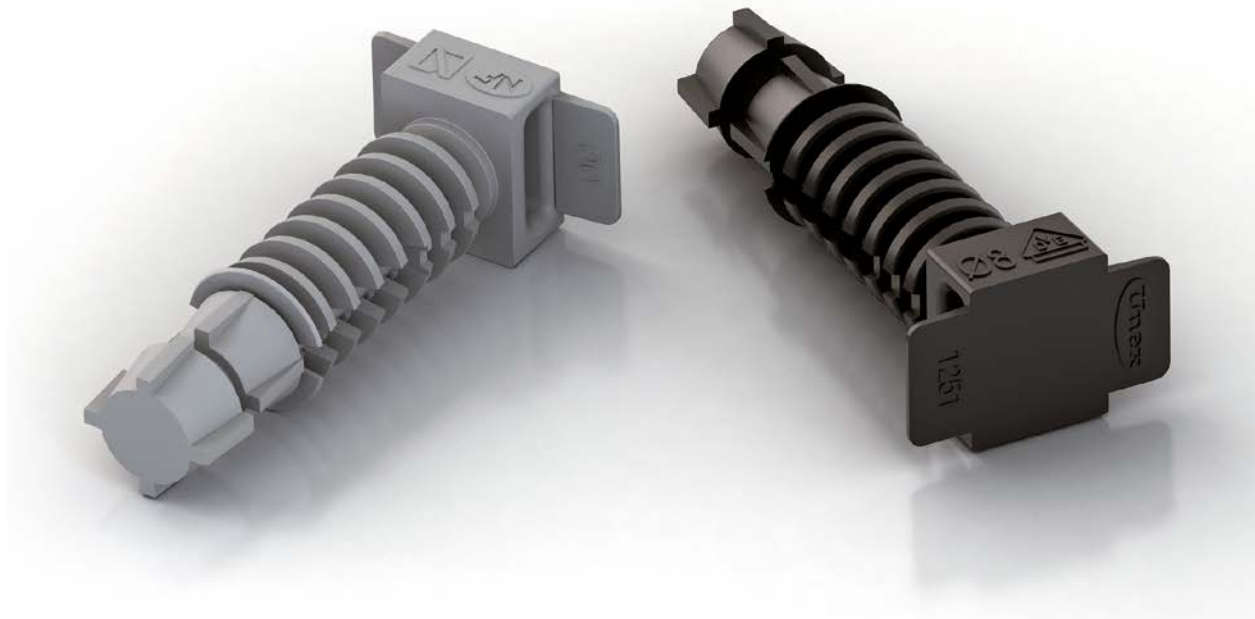
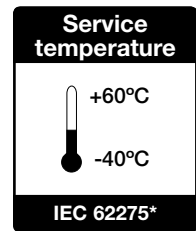
Conformity declaration



See updated technical information of each part number on [www.unex.net](http://www.unex.net)

# Complete product family for all types of installations

- To fix cables and pipes in outdoor and indoor installations.
- Available in black and grey RAL 7035 colours.
- Good resistance at low temperatures.



Compatible with Cable ties 22



\* The values indicated according to IEC 62275 have been tested under the equivalent standard EN 62275. BS EN 62275 is the UK implementation of EN 62275 and IEC 62275.

# A product with added value

## New design

The head and the axis of the plug ensure perfect fixation on any kind of wall. The plug can be inserted easily till the end.



## Maximum functionality of the head

The head of Unex plugs is designed to ensure the perfect fixing of the cable tie. Moreover, its flexible wings ease to better fix and fasten the tubes without damaging them.



## Quality marks

The quality of Unex plugs is recognized by the most stringent quality marks.



## Easy mounting

During the preassembly, the head of the Unex wall plugs ensures that they remain fixed to the wall, with no need to insert them till the end, providing autonomy to the user while mounting.



For vertical mountings, the head of the plug remains fixed to the ceiling.



The Unex plug can be inserted easily into the wall due to the design of the helix, that ensures the grip of the plug and provides endurance to its extraction at the same time, even at low temperatures.





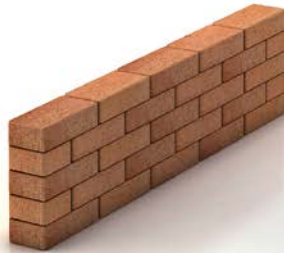
# Application

For outdoor and indoor mountings, Unex plugs can be used on any type of wall.

**Concrete**



**Solid brick**



**Concrete slab**



**Hollow brick**



Good performance in wet and corrosive environments.



# Nail mount 25

Complete solution for fixing cables and conduits in installations

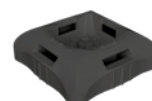
- **Compatible with the most common pneumatic nailguns.**
- Easy mounting:
  - Firm fixing to the nailer's nozzle.
  - Possibility to flange from both sides.
- Compatible with Cable ties 22 (2.5 mm., 3.6 mm., 4.8 mm. and 7.6 mm. of width).

Raw material

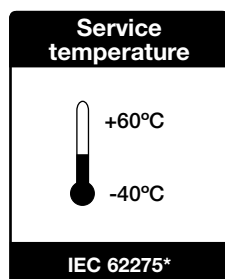
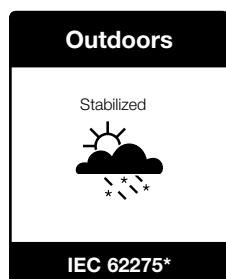
Black colour

**U63X** Nail mount

Compliant



Technical characteristics



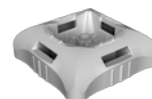
- For outdoor and indoor installations.

Raw material

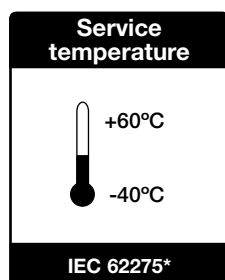
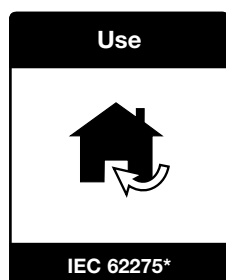
Grey RAL 7035 colour

**U64X** Nail mount

Compliant

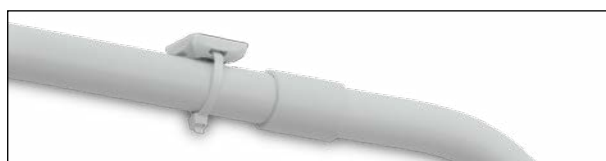


Technical characteristics



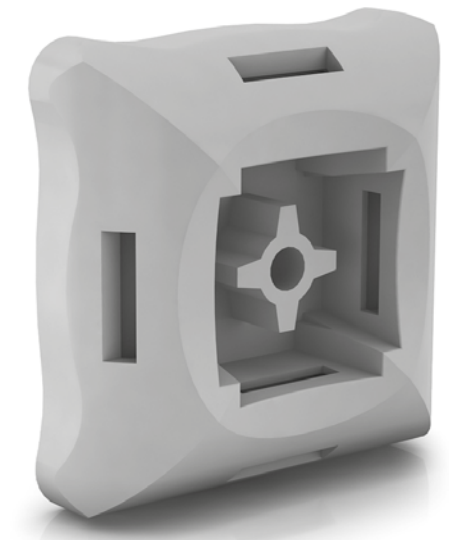
- For indoor installations.

## Application



\* The values indicated according to IEC 62275 have been tested under the equivalent standard EN 62275. BS EN 62275 is the UK implementation of EN 62275 and IEC 62275.





Colour

**Black**

Grey

**RAL 7035**

Quality marks



Conformity declaration



See updated technical information of each part number on [www.unex.net](http://www.unex.net)

# Trunking plug 25

For fixing Unex trunkings and modular boxes

---

- For indoor installations.
- Easy to mount and remove.
- Applicable to the most usual types of wall.
- Assures electrical safety.
- **Halogen free.**

## Raw material

---

**U63X**

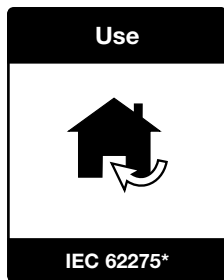
Trunking plug

Compliant



## Technical characteristics

---



- For indoor installations.

## Electrical safety



The installation is protected against electrical contacts.  
The plug covers completely the head of the metallic screw.

## Packaging



Reusable flap, acting as a toolbox.  
Facilitates access to the product.

\* The values indicated according to IEC 62275 have been tested under the equivalent standard EN 62275. BS EN 62275 is the UK implementation of EN 62275 and IEC 62275.



Colour

**Black**

Quality marks



Conformity declaration



See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)

		Ø4 mm.	Ø6 mm.	Ø8 mm.
<p><b>U63X</b> Black</p>	Cable tie wall plug (surface)			1250 (1)
<p><b>U63X</b> Black</p>	Cable tie wall plug (flush)		1253 (2)	1251 (1)
<p><b>U64X</b> Grey RAL 7035</p>			1253-3 (2) (4)	1251-3 (1) (4)
<p><b>U63X</b> Black</p>	Cable tie surface mount		1252 (3)	
<p><b>U63X</b> Black</p>	Trunking plug	25104 (4)	25106 (4)	
<p><b>U63X</b> Black</p>	Nail mount	25501		
<p><b>U64X</b> Grey RAL 7035</p>		25501-3 (4)		

- (1) Soft walls: Drill bit Ø7. Hard walls: Drill bit Ø8.
- (2) Soft walls: Drill bit Ø5. Hard walls: Drill bit Ø6.
- (3) To bolt on M6 or W 1/4 bolt. Diameter fixing hole 4 mm.
- (4) For indoor installations.



Fastening  
system using  
**Fixings**

**26**

raw material

**U60X**

colour

**Natural**



## For indoor wiring

---

- Insulating material.
- **Halogen free.**
- Good mechanical resistance.
- Easy mounting.
- **High performance.** Good tensile strength.
- Certified product acc./IEC 62275\*.

## Raw material

---



Fixings

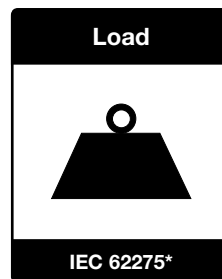
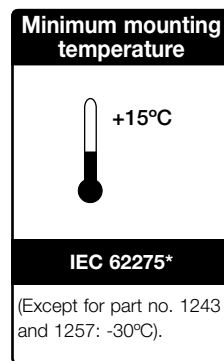
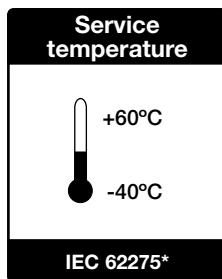


Compliant

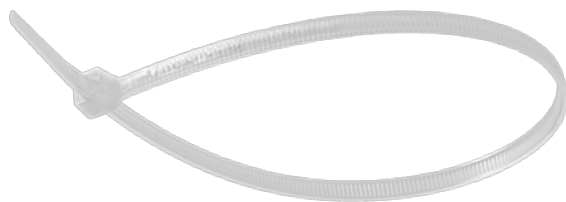


## Technical characteristics

---

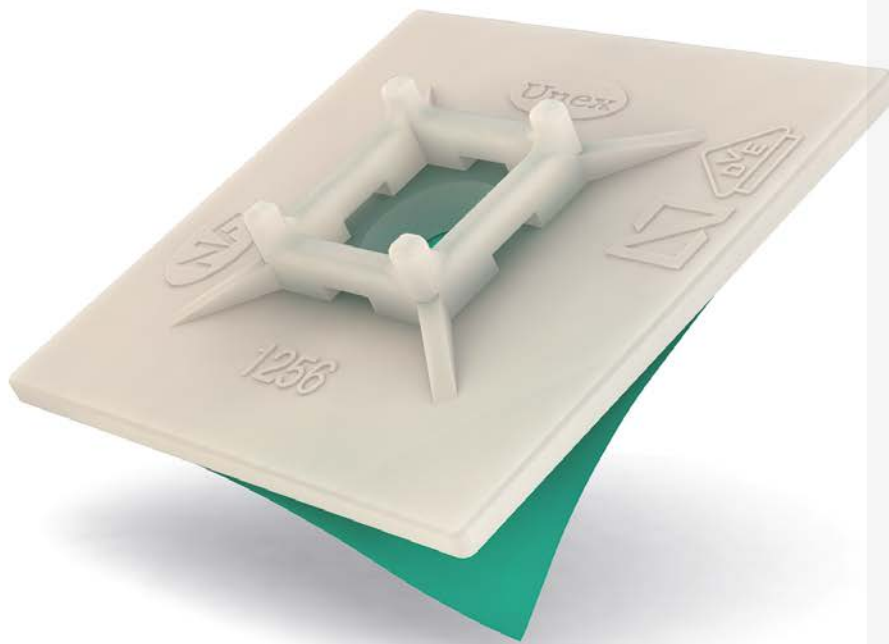


## Compatible with Cable ties 22



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Colour

Natural

Quality marks

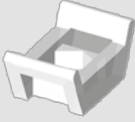
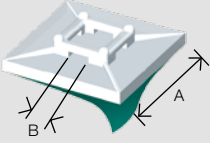




See updated technical information of each part number on [www.unex.net](http://www.unex.net)

Conformity declaration



Fixings

		<b>U60X</b> Natural	
	<b>Screw mount</b> ØM4		<b>1243</b>
	<b>Self-adhesive mount</b>  A = 19 mm B = 3 mm		<b>1254 (1)</b>
		A = 30 mm B = 5 mm	<b>1256 (2)</b>
	<b>Angle mount</b> ØM4 or M5		<b>1257</b>
	<b>Cable clamp</b>  Ø4 to 17 mm		<b>1201</b>
		Ø15 to 33 mm	<b>1202</b>

(1) Part no. 1254 is equipped with a hole to assure excellent fixing with a screw M3.

(2) Part no. 1256 is equipped with a hole to assure excellent fixing with a screw M4.

Cable tagging  
system using

# Marking system

# 18

raw material

**PVC**

plastified

**U60X**

**PC**

colour

**Yellow**

**Natural**

For marking of cables and conduits in all types of installations

## Raw material



Markers

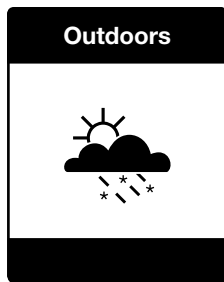
Compliant



## Wide-ranging markers



## Technical characteristics



- Only 3 part numbers for all cable diameters.
- Excellent grip on the cable due to their geometrical design.
- Suitable for indoor and outdoor use.

## Raw materials



Marker plates

Label holders

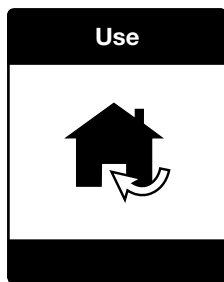
Compliant



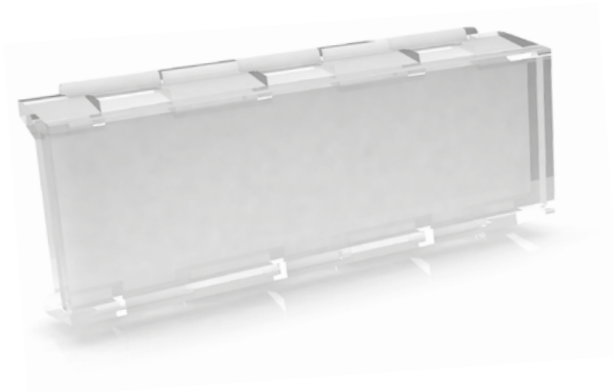
## Marker plates and label-holders



## Technical characteristics



- For indoor use.
- Halogen free.



Colour

**Yellow**

**RAL 1018**

**Natural**

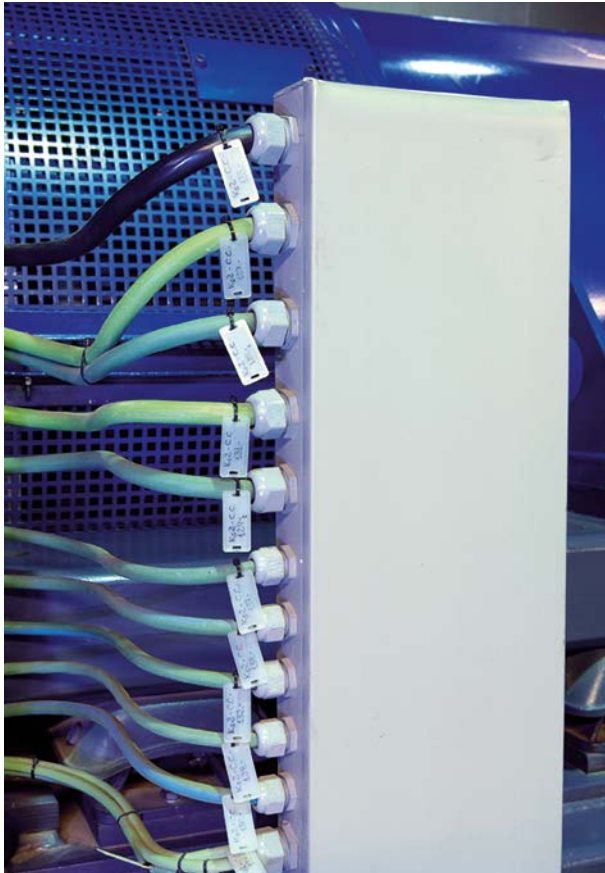
Quality marks



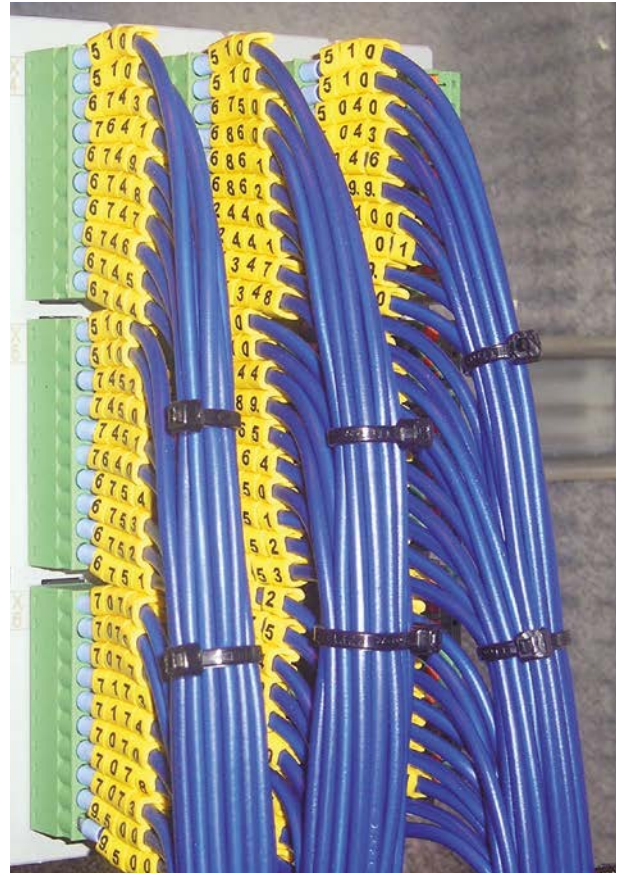
Conformity declaration



See updated technical  
information of each  
part number on  
[www.unex.net](http://www.unex.net)



Airports





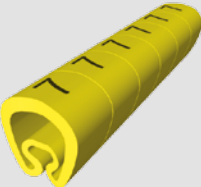
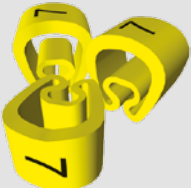
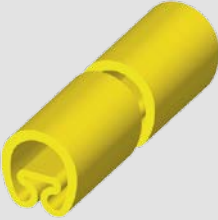
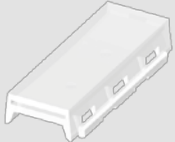


Machinery industry



Food industry



# Marking system 18

		  <b>RAL 1018</b>	
	<b>Adjustable markers</b> Numbers 0 to 9 Letters A to Z Signs + - = ~ Blank Character: Black	$\varnothing = 2$ to 5 mm	<b>1811</b>
		$\varnothing = 4$ to 8 mm	<b>1812</b>
		$\varnothing = 7$ to 18 mm	<b>1813</b>
	<b>Detached adjustable markers</b> Numbers 0 to 9 Character: Black	$\varnothing = 2$ to 4 mm	<b>1821</b>
	<b>Sleeve</b> Indelible writing with marker pen Part no. 1751	$\varnothing = 2$ to 3.4 mm L = 18 mm	<b>1851-M</b>
		$\varnothing = 4$ to 6.5 mm L = 25 mm	<b>1852-M</b>
		$\varnothing = 7$ to 14 mm L = 28 mm	<b>1853-M</b>
	<b>Label-holders</b>	18.5x43 mm	<b>2002</b>
	<b>Marker plates</b> Indelible writing with marker pen part no. 1751 on both sides	18x40 mm	<b>2151</b>
		25x60 mm	<b>2152</b>
	<b>Marker pen</b> Pencil line: 0.4 mm		<b>1751</b>





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Results with exposure to chemicals	388
Unex online	389
Protection degrees	390



# Quality marks

## What is a quality mark?

---

A quality mark is a product certification granted by an independent organization with regard to a particular national or international product standard related to:

Quality:

- Safety.
- Adjustment to its use.

Durability

## How can a quality mark be obtained?

---

Through a certification agency, by means of:

1. A right request to use a mark.
2. Examination of the technical documentation of the product.
3. Tests by the certification agency.
4. Inspection visit of the factory.
5. Acceptance of the right to use the mark.

## What is the use of a quality mark?

---

To maintain a permanent quality commitment in time with certain levels of:

Quality:

- Safety.
- Adjustment to its use.
- Rigorous tests and documentations, assuring that all processes are supervised by an independent third party.

Durability

## How is a quality mark maintained?

---

The right to use a quality mark is not indefinite. Its maintenance implies a regular control of the product by means of:

Periodic visits to the factories by inspectors from the certification agency, whose controls are based on:

- Production processes.
- Reception controls.
- Tracing possibility.

Tests of the products, obtained from:

- Factories.
- Points of sale (wholesalers).

## How can a quality mark be distinguished from an approval or a conformity declaration?

An **approval** is a communication of product's suitability for certain applications:

- Bureau Veritas.

A conformity declaration is a fulfillment statement of a normative document:

- Directive standard: CE marking.



Bureau Veritas

CE marking, conformity to the exigencies of the Low Tension Directive 2006/95/CE



## How can a product with certified quality be recognised?

The quality marks of UNEX products are clearly visible on the product and on the label.



**Note:** For technical reasons, there is a certain delay between obtaining the quality mark and the marking of the products. Therefore, it is possible that a product has obtained the quality mark recently and has not been marked yet. In order to know the list of certified products see [www.unex.net](http://www.unex.net).

## Added value

Prescribing products with quality marks is the best way to assure that they comply with international standards and that all technical data are periodically checked by an independent control agency.

<b>AENOR</b>		Spain
<b>LCIE</b>		France
<b>VDE</b>		Germany
<b>GOST</b>		Russian Federation
<b>UL Listed</b>		USA

See updated quality marks and approvals of each part number on [www.unex.net](http://www.unex.net)

# Results with exposure to chemicals

The results of a material with exposure to a chemical agent depends on the concentration and temperature, therefore the particular environment of some installations should be studied carefully, regardless of the provided information.

According to the information provided by the raw material manufacturers, the resistance of each one against chemical agents is:

## STAINLESS STEEL

Resistant to the most common:

- |                                   |                             |             |
|-----------------------------------|-----------------------------|-------------|
| • Oils<br>(mineral and vegetable) | • Ammoniac                  | • Phosphate |
| • Acetones                        | • Aliphatic carbon hydrides | • Nitrates  |
| • Fats                            | • Hydroxides                | • Sulphates |
| • Alcohols                        | • Carbonates                |             |

## POLYAMIDE 6.6 and POLYAMIDE 6

Resistant to the most common:

- |              |                   |                      |
|--------------|-------------------|----------------------|
| • Hydroxides | • Fats            | • Acetone vegetable  |
| • Oils       | • Carbon hydrides | • Chlorated solvents |

The zinc of the galvanized affects the life utility of polyamide 6.6 in front of aggressive agents (chemical agent and UVs).

## POLYCARBONATE

Resistant to the most common:

- |         |            |                                    |
|---------|------------|------------------------------------|
| • Oils  | • Alcohols | • Carbon hydrides                  |
| • Acids | • Fats     | • Saline solutions (neutral acids) |

## POLYPROPYLENE

Resistant to the most common:

- Aqueous solutions (inorganic salts)
- Inorganic bases and acids (even at high concentrations and temperatures above 60 °C)

However, it is attacked by oxidizing substances:

- |                              |                            |            |
|------------------------------|----------------------------|------------|
| • Concentrated sulfuric acid | • Concentrated nitric acid | • Halogens |
|------------------------------|----------------------------|------------|

The **ISO/TR 10358** gives the behavior of polypropylene versus a range of chemicals depending on the concentration and temperature.

## RIGID PVC

Resistant to the most common:


- |  |                             |                    |
|--|-----------------------------|--------------------|
| • Oils (mineral, vegetable and paraffin emulsions) | • Fat acids                 | • Hydroxide        |
| • Acids (diluted or concentrated)                  | • Alcohols                  | • Saline solutions |
|  | • Aliphatic carbon hydrides |                    |

The results of rigid PVC with exposure to several chemicals depending on temperature and concentration degree are listed by the standards **ISO/TR 10358** and **DIN 8061**.

## HALOGEN FREE MATERIAL (PC+ABS)

Fair resistance to the most common:

- |  |                            |                             |
|--|----------------------------|-----------------------------|
| • Diluted acids (Organics or inorganics) | • Alkaline                 | • Aliphatic carbon hydrides |
| • Amines                                 | • Waxes (loud oils)        |                             |
|  | • Aromatic carbon hydrides | • Acetone                   |
|  |                            | • Phenols                   |

All features marked  are based on sporadic tests of the raw material in the manufacture of our products. However, they only reflect the values accepted by the raw material manufacturers, which are provided only as information and guidance.



# Unex online: Tools for specification

[www.unex.net](http://www.unex.net)

## Technical information

- Technical specifications
- Mounting instructions
- Different database formats



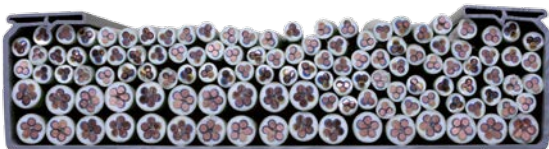
## Configurator

- Unex cable tray's configurator allows you to obtain a complete list of materials



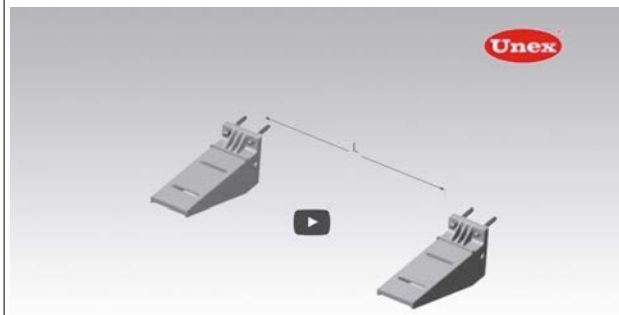
## Unexproject

- Your tool for dimensioning the cable tray according to the cables you are using in your project



## YouTube Unex Solutions

- Mounting videos



## EPLAN

Unex products are available in the EPLAN Data Portal, classified as "Electrical engineering" and "Mechanics".



## Databases

As a customer-oriented company, we provide our data in different formats: BIM-REVIT and 3D-DWG.

# Protection degrees - IP code

## Protection against solid foreign objects

EN 60529:1991 - IEC 60529:2001 - 1st characteristic numeral IP degree							
IP	0	1	2	3	4	5	6
	Non-protected	Protected against solid foreign objects of 50 mm diameter and greater (eg.: the back of the hand)	Protected against solid foreign objects of 50 mm diameter and greater (eg.: the back of the hand)	Protected against solid foreign objects of 2.5 mm diameter and greater (eg.: tool)	Protected against solid foreign objects of 1 mm diameter and greater (eg.: wire)	Dust-protected (its ingress does not interfere with satisfactory operation)	Dust-tight (no ingress of dust)

## Protection against ingress of water with harmful effects

EN 60529:1991 - IEC 60529:2001 - 2nd characteristic numeral IP degree									
IP	0	1	2	3	4	5	6	7	8
	Non-protected	Protected against vertically falling water drops	Protected against vertically falling water drops when enclosure tilted up to 15°	Protected against spraying water	Protected against splashing water	Protected against water jets	Protected against powerful water jets	Protected against the effects of temporary immersion in water	Protected against the effects of continuous immersion in water

Note: To obtain the protection degree against liquids in installations with trunkings and cable trays, it is necessary to use:  
 - Cable with watertight cover.  
 - Connection and terminal boxes assuring the required protection degree.

## Protection of persons against access to hazardous parts

EN 60529:1991 - IEC 60529:2001 - IP additional letter					
IP	A	B	C	D	
	Without protection	Protected against access with the back of the hand (50 mm)	Protected against access with a finger (12 mm)	Protected against access with a tool (2.5 mm)	Protected against access with a wire (1 mm)

## Protection against mechanical impacts

Classification according to resistance to impact for installation and application. EN 50085-2-1:2006 - clause 6. Cable trunking systems for mounting on walls and ceilings.	0.5 J	1 J	2 J	5 J	-	20 J
Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code) EN 50085-2-1:2006 - ANNEX C. Cable trunking systems for mounting on walls and ceilings.	IK04	IK06	IK07	IK08	IK09	IK10
Impact energy	0.5 J	1 J	2 J	5 J	10 J	20 J
Energy equivalent to a mass fall from 1 meter	50 g	100 g	200 g	500 g	1000 g	2000 g

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