



# Technical specification

## Trunking **31** in **U23X**

### Description

#### Use

- Plain base trunking with involving cover, for surface mounting, conduction and neat finishings of air conditioning split systems.
- Indoor and outdoor applications. Good behaviour against UV.

#### Design

- Rectilinear design that integrates with the construction elements.
- Robust fittings system and rigidity of base and cover that prevents deformations, giving a neat finishing to the installation.
- Colour: White RAL 9010
- Colour homogeneity between the trunking and the fittings.
- Paintable, so it can be integrated into the environment.

#### Installation

- Pressure mounting of cover and fittings, removable only with the aid of a tool.
- The fittings are designed with a bending radius suitable for the laying of the pipes; the cuts of the lid are perfectly covered.
- Two assembly systems to choose from. Detachable strip to facilitate aligning the sections and absorbing the wall unevenness or single base plate with fast assembly; no need to alter or cut the base in order to install it.
- The pipes and cables can be fastened individually inside the same base with the possibility of choosing the most suitable cable tie in every occasion.
- The cover is film protected to ensure that the product is kept in perfect conditions during the transport and installation.

#### Assembly instructions

- To achieve the characteristics defined in this document, the installation must be carried out in accordance with the assembly instructions provided in the main product's packaging.

### Quality Marks <sup>(1)</sup>



GOST  
R 50827-2009  
Part 1 a 5  
licence  
nº: POCC RU.1  
1AK01.H00065

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### Characteristics of Trunking system

#### RAW MATERIAL

Trunkings	U23X. (See technical data for raw material).
Fittings and accessories	U24X. (See technical data for raw material).

#### APPLICATIONS

Applications <sup>(2)</sup>	Trunking system for indoor-outdoor installations.
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#### SILICONE CONTENTS

Silicone free	<0,01%
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#### DIRECTIVE 2011/65/EU

RoHS Compliant	Compliant.
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#### EN 50085-2-1:2006 + A1:2011 EUROPEAN CABLE TRUNKING STANDARD

Products affected	Covers, strip bases detachable strips and finishing elements.
Minimum storage and transport temperature	-45°C
Minimum installation and application temperature	-5°C
Maximum application temperature	+60°C
Resistance against mechanical impacts during mounting and use	<ul style="list-style-type: none"> <li>▪ 2J at -5°C</li> <li>▪ (35x35: 0,5J at -5°C)</li> </ul>
Resistance to flame propagation	Non-flame propagation.
Electrical continuity characteristic	Without electrical continuity characteristic.
Electrical insulating characteristic	With electrical insulating characteristic.
Protection degree assured by the enclosure	IP2X.
Retention of the system access cover	Cover removable only with the aid of a tool.
Electrically protective separation	Without internal protective separation.
Intended installation positions	Semi flush or surface mounted on the wall or ceiling.
Prevention of contact with liquids	Not declared.
Type	Type 2.



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### Characteristics of Trunking system

#### EN 50085-2-1:2006 + A1:2011 EUROPEAN CABLE TRUNKING STANDARD

Rated Voltage	750 V
Protection against mechanical damage	<ul style="list-style-type: none"> <li>▪ IK07</li> <li>▪ (35x35: IK04)</li> </ul>

#### EN 62275: 2015 EUROPEAN CABLE TIE STANDARD

Products affected	Single base plates.
Material	Non metallic.
Mechanical resistance of fixing elements	Type 2
Minimum - maximum service temperature	-40°C - +50°C
Minimum installation temperature	-15°C
Resistance to flammé propagation	Non-flame propagation.
Resistance to the UVs	Not declared.
Resistance to corrosion	Not declared.
Static load	100 N

#### EN 61386-25:2011 EUROPEAN CONDUIT FIXING DEVICE STANDARD

Products affected	Cable clamps.
Resistance to lateral load	Heavy.
Resistance to axial load	None declared.
Resistance to impact	Light.
Lower temperature range. Transport, application and installation	-25°C
Upper temperature range. Application and installation	+60°C
Resistance to flame propagation	Non-flame propagating.

#### EN 60695-2-11:2001

Glow-wire test	Severity degree: 960°C.
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## Trunking **31** in **U23X**

### Compulsory regulations

#### EUROPEAN DIRECTIVE 2014/35/EU

CE Marking	Conformity with standard EN 50085-2-1:2006+A1:2011.
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### Characteristics of U23X raw material

- Base raw material: PVC.
- Silicone contents: <0,01%.
- Phthalate contents according to ASTM D2124-99:2004: <0,01%.
- Dielectric strength according to EN 60243-1:2013: 18±5 kV/mm.  
Test sample thickness 2,5 mm.
- Reaction to fire according to UNE 201010:2015: Classification: M1.
- UL flammability tests on plastic materials according to ANSI/UL 94: 1990: Degree UL94: V0.
- L.O.I. Oxygen index according to EN ISO 4589:1999 + A1:2006: (Concentration %) = 52±5.

### Characteristics of U24X raw material

- Base raw material: PVC.
- Silicone contents: <0,01%. <sup>(3)</sup>
- Phthalate contents according to ASTM D2124-99:2004: <0,01%. <sup>(3)</sup>
- Dielectric strength: Insulating.
- Reaction to fire s/UNE 201010:2015: Classification: M2.
- UL flammability tests on plastic materials according to ANSI/UL 94: 1990: Degree UL94: V0.

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### Notes

1. Except for new part numbers, which are under process of obtaining quality marks and approvals. See updated information of each part number on [www.unex.net](http://www.unex.net)
2. In outdoor installations or in aggressive chemical environments it is necessary to periodically check the installation. In outdoor assemblies we recommend assembling a continuous base and an angled cable bushing bolted to the wall in the lower part of the trunking in a vertical pathway.
3. Detection limit for the analytical technique applied.

\* All information contained herein is completely objective and is the result of a wide experience in satisfying our costumers' requirements . For more details, please contact our technical assistance.

\*\* Unex aparellaje eléctrico, S.L. reserves the right to modify any characteristics of the products manufactured. This document is an uncontrolled copy and will not be updated if its content changes.

15/10/2019