



Technical data

Trunking **73** in **U41X** **U43X**
halogen free

Description

Use

- Trunking system for surface distribution of power and data cables on walls and ceilings.
- Easy front mounting of frames for free choice of switches and sockets.
- Multiple compartments to separate and protect cables of different services.
- Suitable for indoor and outdoor use.

Installation

- Clip-on mounting system. Removable only with a tool.
- Fittings consist of two pieces. The internal one allows easy measuring of the cover and holds the cables and the external one covers the cut marks of base and cover and assures protection degree IP4X.
- 2 cable retainers per meter to allow easy cable management are included.
- 3 m length and base perforation every 250 mm for a save time assembly.
- Protective film preserves the product features during transport and handling.

Design

- Robust and stable trunkings
- Easy and affordable integration by means of:
 1. Simple straight line product.
 2. Colour: White RAL 9010. Trunking and fittings keep the same even colour.
 3. Overpaintable system.

Quality Marks ⁽¹⁾



EN 50085-2-1:2006 +
A1:2011
Licence n°: 681464



GOST
R 50827:2009
Part 1 to 5
licence
n°: POCG ES
AF19.H01718

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Approvals ⁽¹⁾



Rules for the Classification
of Steel Ships
Type Approval Certificate
n° 05116/G3 BV



Φ3 or 22.0708 N 123-Φ3
TOCT P 53313-2009
C-ES.Π625.B.03232

Characteristics of Trunking system

RAW MATERIAL

Trunkings	U41X/U43X. (See technical data for raw material).
Fittings and accessories	U42X. (See technical data for raw material).

APPLICATIONS

Applications ⁽²⁾	Indoor and outdoor installation.
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SILICONE CONTENTS

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

RoHS Compliant ⁽¹⁾	Conformity.
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EN 50085-2-1:2006 + A1:2011

Minimum storage and transport temperature	-45°C
Minimum installation and application temperature	-25°C
Maximum application temperature	+90°C
Resistance against mechanical impacts during mounting and use	<ul style="list-style-type: none"> ▪ Trunkings: 5 J at -25°C ▪ Fittings: 0,5 J at -25°C.
Resistance to flame propagation	Non-flame propagation.
Electrical continuity characteristic	Without electrical continuity characteristic.
Electrical insulating characteristic	With electrical insulating characteristic.

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Characteristics of Trunking system

EN 50085-2-1:2006 + A1:2011

Protection degree assured by the enclosure	IP4X. Mounted on the wall or ceiling.
Retention of the system access cover	Cover removable only with the aid of a tool.
Electrically protective separation	With 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. Type 3.
Rated Voltage	750 V
Protection against mechanical damage	IK07
Fixing for apparatus mounting of socket outlets	Resistance to extraction of 81 N

EN 60695-2-11:2001

Glow-wire test	Severity degree: 960°C.
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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 U41X/U43X raw material

- Base raw material: U41X: PC+ABS , U43X: Halogen free thermoplastic compound
- Silicone contents: <0,01% ⁽³⁾
- Phtalate content according to ASTM D2124-99:2004: <0,01% ⁽³⁾
- Halogen contents according to EN 50267-2-1: lower than 0,5% ⁽³⁾
- Dielectric strength according to EN 60243-1:1998: > 20 kV/mm
- Reaction to fire according to NF F 16-101:1998: Class I3 F2
- 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: (Concentration %) ≥34
- Coefficient of linear expansion: 0,07 mm/°C m. ⁽⁴⁾
- Behaviour to chemicals exposure: (see results with exposure to chemicals in www.unex.net/Chemical_agents.pdf) ⁽⁵⁾⁽⁴⁾
- UL Approval: File E317944 (grey colour)

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Characteristics of U42X raw material

- Base raw material: PC+ABS
- Silicone contents: <0,01% ⁽³⁾
- Phtalate content according to ASTM D2124-99:2004: <0,01% ⁽³⁾
- Halogen contents according to EN 50267-2-1: lower than 0,5% ⁽³⁾
- Dielectric strength according to EN 60243-1:1998: >20 kV/mm
- Reaction to fire according to NF F 16-101:1998: Class I3 F2
- 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: (Concentration %) ≥ 34
- Coefficient of linear expansion: 0,07 mm/°C m. ⁽⁴⁾

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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
2. In outdoor installations or in aggressive chemical environments it is necessary to periodically check the installation. In outdoor installations, a colour change may occur on the raw material, without affecting its mechanical features. In order to absorb expansions caused by temperature changes in outdoor installations, we recommend using metal fittings each 0,5m, leaving 1cm separation between covers and placing end covers at the ends of vertical routings.
3. Detection limit for the analytical technique applied.
4. All features marked are based on random tests of the 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.
5. For chemical environments we strongly recommend, if possible, the use of the product in U23X.

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

** 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.

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