

Technical specification

Slotted Trunking **88** in **U43X** halogen free



Description

Use

- For cable conduction in electrical and communications cabinets

Installation

- Higher safety for the installation assured by the trunking's sturdiness.
- The cover is easy to mount and remove.
- Pre-cut line at the fingers' base and the trunking's base (for branching). The trunking system does not produce sharp edges when cutting, avoiding damage both for equipment and persons.
- Flexible and resistant fingers: easy to cut, they don't break accidentally.

Product characteristics

- Raw material: U43X (Halogen free Thermoplastic Compound). Plastic rivet in U60X. (See raw material's technical data).
- Length: 2 m.
- Colour: Grey RAL 7035.
- Directive 2011/65/EU: Compliant RoHS

Quality Marks ⁽¹⁾



EN 50085-2-3:2010
Licence n°: 030/001402



EN 50085-2-3:2010
Licence n°: 645744B/M1



EN 50085-2-3:2010
Licence n°: 127979



File number E 75725 (M). For
use of temperatures not
exceeding 80°C.



GOST R 50827:2009



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Approvals ⁽¹⁾



File number LR 86975



Trunkings Type approval certificate n° 2536H/05116/H1/BV



Type approval certificate TAE00003J8



FZ-123-FZ



Iberdrola NI 76.83.01
For cable conduction in electrical and communications cabinets

Characteristics

EN 50085-2-3:2010

Minimum transport and storage temperature	-45°C
Maximum application temperature	+90°C This standard does not include long term tests.
Resistance to flame propagation	Non-flame propagator.
Electrical continuity characteristic	Without electrical continuity characteristic.
Electrical insulation characteristic	With electrical insulation characteristic
Retention of the system access cover	Cover removable without the aid of a tool.
Intended installation positions	<ul style="list-style-type: none"> • A- With retainer or cable retainer: mounted on any surface, even with the cover downwards. • B- Without cable retainer: mounted vertically or horizontally, except with the cover downwards.

ANSI/UL 1565; CSA-C22.2 No. 18.5

Temperature rating	+80°C This standard includes long term tests.
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EN 50085-2-3:2010, DIN 43659 and NF C 68102

Fixing holes in the base	Compatible
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Our quality management system complies with the requirements of UNE-EN ISO 9001:2015 for the design, production and commercialization of Unex Systems.

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international@unex.net

TECHNICAL ASSISTANCE
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EN 45545-2:2013

Reaction to fire for railway vehicles	Most stringent classification: HL3 – R22
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EN 60695-2-11:2001

Glow-wire test	Severity degree: 960°C.
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RECOMMENDED CABLE CAPACITIES

Useful cross-sections	<ul style="list-style-type: none"> • 25.20.88: 322 mm² • 30.30.88: 728 mm² • 40.20.88: 586 mm² • 40.30.88: 940 mm² • 40.40.88: 1460 mm² • 40.60.88: 2112 mm² • 60.30.88: 1387 mm² • 60.40.88: 2137 mm² • 60.60.88: 3092 mm² • 60.80.88: 4225 mm² • 60.120.88: 6380 mm² • 80.30.88: 1865 mm² • 80.40.88: 2874 mm² • 80.60.88: 4128 mm² • 80.80.88: 5630 mm² • 80.100.88: 7177 mm² • 80.120.88: 8572 mm² • 100.40.88: 3585 mm² • 100.60.88: 5179 mm² • 100.80.88: 7110 mm² • 100.100.88: 9000 mm²
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Compulsory regulations

European Directive 2014/35/EU

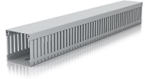
CE Marking	Conformity with Standard EN 50085-2-3:2010.
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Characteristics of U43X raw material

- Base raw material: Halogen free thermoplastic compound
- Halogen contents according to EN 50642: 2018: Halogen free
- Silicone contents: <0,01% ⁽²⁾
- Phthalate contents according to ASTM D2124-99:2004: <0,01% ⁽²⁾
- Dielectric strength according to IEC 60243-1:2013: 18±5 kV/mm
Test sample thickness 2,9 mm.
- Classification of the reaction to fire according to NF F 16-101:1988: <= Class 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+A1:2006: 43±4
- Smoke opacity Ds max according to ISO 5659-2, 25 kW/m²: < 150
Test sample thickness 2,1 mm
- Behaviour to chemicals exposure: It is resistant to the majority of:
 - Oils (mineral, vegetable and paraffins)
 - Diluted acids
 - Fatty acids
 - Alcohols
 - Carbonates, Phosphates, Nitrates, Sulphates and other saline solutions
 - Aliphatic hydrocarbons
 - Diluted hydroxidesHowever, it is not resistant to the majority of:
 - Amines
 - Ketones
 - Phenols
 - Aromatic hydrocarbons ⁽³⁾
- Essai de résistance à l'ozone s/ASTM D-1149: No cracks magnified to 2.
- UL Approval: File E317944 (grey colour)

Characteristics of U60X raw material

- Base raw material: Polyamide 6.6 (natural colour and grey RAL 7035 colour)
- Halogen contents according to EN 50642: 2018: Halogen free
- Silicone contents: silicone free
- Phthalate contents according to ASTM D2124-99:2004: phthalate free
- UL flammability tests on plastic materials according to ANSI/UL 94: 1990: Degree UL94 V2
- L.O.I. Oxygen index according to EN ISO 4589:1999: >=29
- Behaviour to chemicals exposure: Resistant to the most common:
 - Hydroxides
 - Oils
 - Fats
 - Carbon hydrides
 - Acetone
 - Chlorated solventsThe zinc of the galvanized affects the life utility of polyamide 6.6 in front of aggressive agents (chemical agent and UVs). ⁽³⁾
- UL Approval: File E41938 EM
- Classification acc./ASTM D6779:2003: PA 0111



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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. Detection limit for the analytical technique applied.

3. 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.

* 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. reserve 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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international@unex.net

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