

Technical specification

Rooftop support 60 in U48X



Description

Use

- Rooftop support system for outdoor installations. (It could also be used on the floor of industrial plants indoors or outdoors)
- For support of cable trays, cable ladders and cable conduits.

Advantages

- The Rooftop supports are held in place on the roof by their own weight. It is not necessary to fix them to the floor. ^(1, 2)
- Support ready-to-install.
- Corrosion Resistant. (the rail is made in thermoplastic material U48X).
- The rooftop support is insulating, electrically separates the cable trays from the roof surface and does not require earthing.
- CE marking acc. IEC 61537 compliance. Loads of the supports tested according to the same international standard of LV cable trays.
- Good fire performance. Combination of Halogen free thermoplastic compound U48X own formulated rail, concrete base and rubber bottom.
- Immediate availability from our logistics center thanks to a complete stock of all the parts.

Design

- Safe, easy and quick mounting.
- Provided with an insulating rail compatible with channel nut 41. The profile is made with solid walls and manufactured by extrusion.
- Absence of sharp edges or pressure points which might damage the rooftop layer.
- Rubber bottom avoids damage to the rooftop layer and ensures a good friction coefficient.
- Good performance with exposure to the UVs and to the elements.

Mounting instructions

- To fulfil the characteristics defined herein, the installation must be carried out in accordance with the manufacturer's assembly instructions provided in the main product packaging and also available on the website www.unex.net.

Product composition

- Raw material: Rail in U48X + base in concrete + bottom in rubber.
- Halogen content acc. EN 50642: Halogen free.
- Silicone contents: Without silicone (<0,01%).
- RoHS Directive compliance: Compliant .

Characteristics

BS EN 61537:2007 (IEC 61537:2006) International cable tray and cable ladder standard

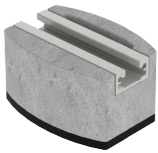
Min./max. transport, storage, installation and application temperature	-20 °C up to +90 °C.
Electrical characteristics	<ul style="list-style-type: none"> • Non-metallic. • Without electrical continuity. • Non-conductive.
Resistance to flame propagation s/ EN 60695-11-2:2003 ⁽⁴⁾	Non flame propagating system.
Coating	Without coating.
Available dimensions [mm]	<ul style="list-style-type: none"> • Part Nr. 60155-48: 150x110x85 mm (5.9x4,3x3,8 inches) • Part Nr. 60305-48: 300x150x85 mm (11.8x5.9x3,8 inches)



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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Available dimensions Nominal weight [kg] ⁽²⁾	<ul style="list-style-type: none">• Part Nr. 60155-48: 2,2 kg (4.85 lbs)• Part Nr. 60305-48: 6,1 kg (13.45 lbs)
Glow-wire test acc./ IEC 60695-2-11:2001 ⁽⁴⁾	Severity degree 960°C.
Performance against corrosion (humid and saline)	Inherently resistant to corrosion and therefore do not require testing.

Constructive and Functional characteristics

- Safe working load: Supports must comply with EN 61537:2006 and shall resist at least the maximum rated loads of the carried cable tray and cable ladder systems.
- Product packaging: Product properly packaged and clearly identified.

Compulsory regulations

Conformity with the demands of European Directive 2014/35/EU

CE Marking	Rooftop support 60. Conformity with standard EN 61537:2007.
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Characteristics of U48X raw material

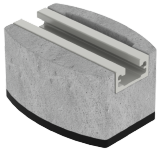
- Base raw material: 100% recycled halogen free thermoplastic
 - Halogen contents according to EN 50642: 2018: Halogen free
 - Silicone contents: <0,01% ⁽⁵⁾
 - Phthalate contents according to ASTM D2124-99:2004: <0,01% ⁽⁵⁾
 - Dielectric strength according to IEC 60243-1:2013: 18±5 kV/mm
Test sample thickness 2,0 mm.
 - Reaction to fire according to NF F 16-101:1998: Class F2
 - UL flammability tests on plastic materials according to ANSI/UL 94: 1990: Degree UL94: V0
Test sample thickness 3,2 mm
 - LOI. Oxygen index according to EN ISO 4589:1999: (Concentration %) =32±3
Test sample thickness 3,2 mm
 - Coefficient of linear expansion: 0,07 mm/°C m. ⁽⁶⁾
 - 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 hydroxides
- However, it is not resistant to the majority of:
- Amines
 - Ketones
 - Phenols
 - Aromatic hydrocarbons ⁽⁶⁾



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Notes

1. In outdoor installations or in aggressive chemical environments it is necessary to periodically check the installation.
2. The dimensioning of loads is mandatory to compensate for the effects of the wind carried out in accordance with the applicable national or local regulations.
3. 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
4. Tested according to standard prescriptions of EN 61537:2007 . Equivalent to IEC 61537:2006 Cable tray and cable ladder standard.
5. Detection limit for the analytical technique applied.
6. 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.

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