

FIBRAIN 

ONE PRODUCT  
MANY POSSIBILITIES

# BU-XN

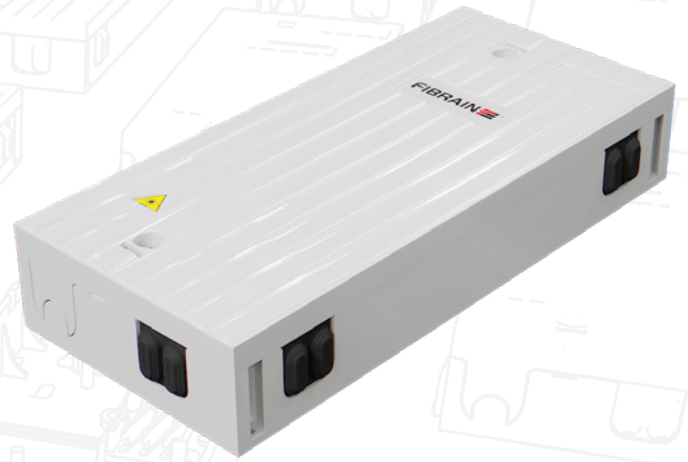


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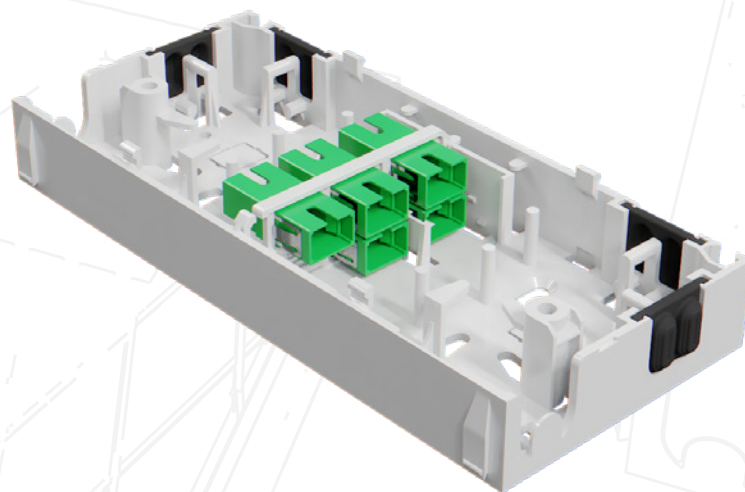
**BU-XN. One product - many possibilites**

 **PATENT PENDING**

Fibrain BU-XN is a compact wall-mounted fiber optic box designed for high flexibility during installation as well as customization. The BU-XN is characterised by its possibility of combining it into segments and expanding also on client's premises. The housing modules are connected by sides. Fiber optic transmission is provided by openings in the adjacent walls. This allows the creation of a complex consisting of a theoretically infinite number of boxes, where each module can be equipped with an adapter field for 5 SC type adapters or splice holders with a capacity of 12 splices. In addition, the BU-XN housing allows uncut cable installation and branching of the optical fiber in three directions. An integral element of the new housing is its modern design. The lightweight and compact construction is made of polycarbonate enriched with ABS, providing high mechanical resistance. The interior of the box gives a wide range of fiber and cable organization thanks to dedicated fixing points for line and drop cables.

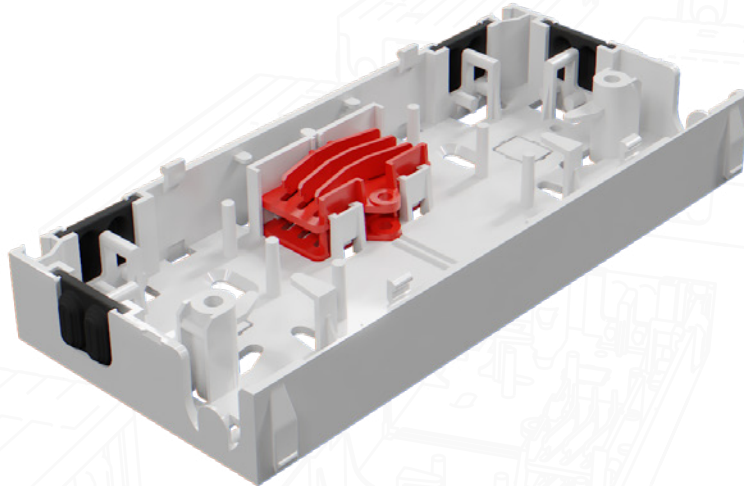


**Picture 1.** FIBRAIN BU-XN



**Picture 2.** The view of the housing equipped with an adapter panel and SCA adapters.

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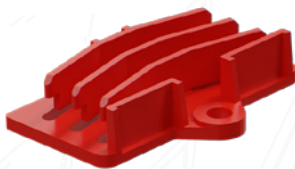


**Picture 3.** The view of the housing equipped with two splice holders.

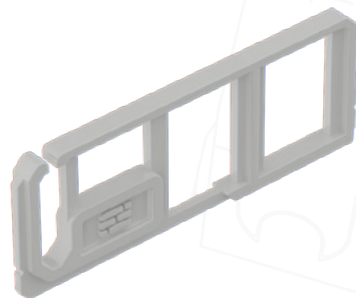
BU-XN is a product dedicated as an indoor distribution point of FTTH architecture, which can adapt to the needs of the installer and further network expansion easily increasing the capacity of splices and adapters. In the basic version of the product, it can be used as a junction box or an inspection window. Due to the ava-

ilable additional accessories (adapter panel, splice holder which also allows the assembly of splitters 1: 4, 1: 8, 1:16 in the Alubox housing), the possibilities of connection configuration are almost unlimited.

**Additional accessories:**



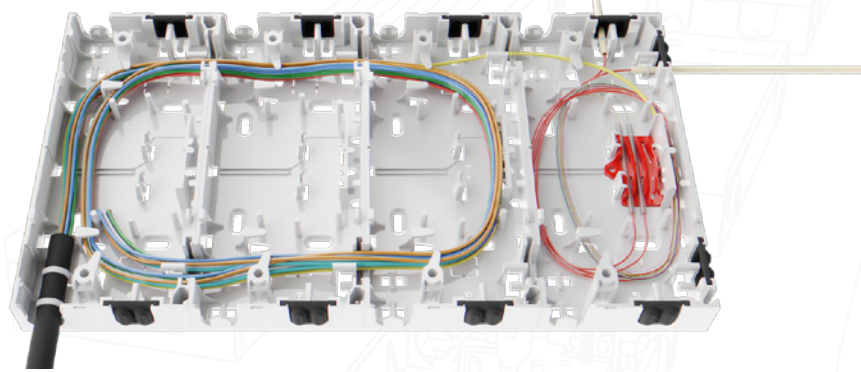
**Picture 4.**  
Holder for 6 splices in a heat-shrink protection sleeve



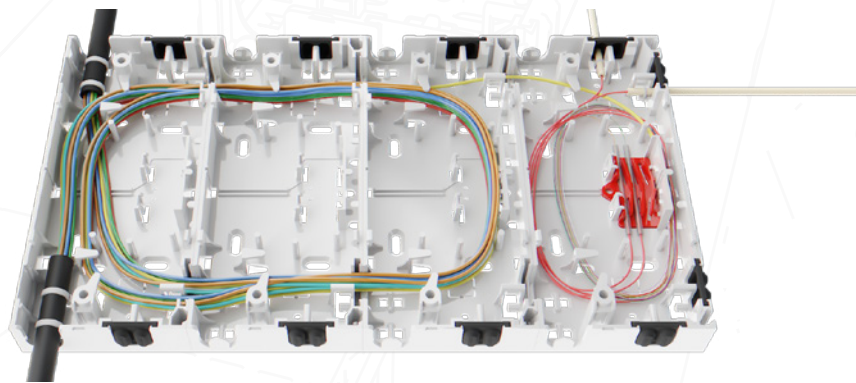
**Picture 5.**  
Adapter panel for 5x SC SX

**Below we present only a few possibilities of using BU-XN box.**

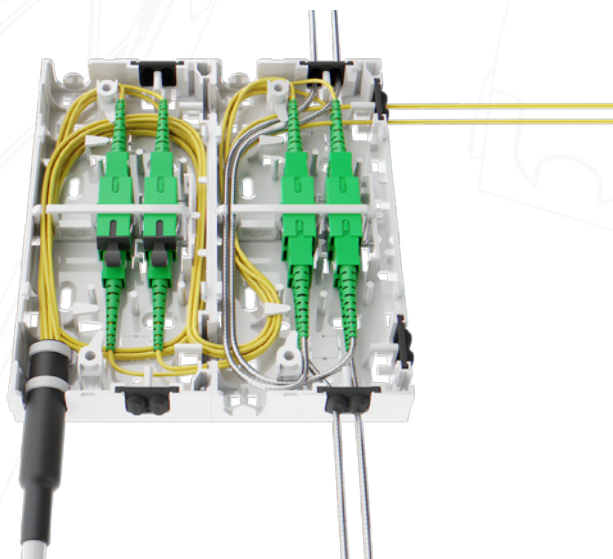
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**Picture 6.** The combination of housings gives the possibility of mounting a cable such as the Datacom type, organizing the tubes reserve and making splices.



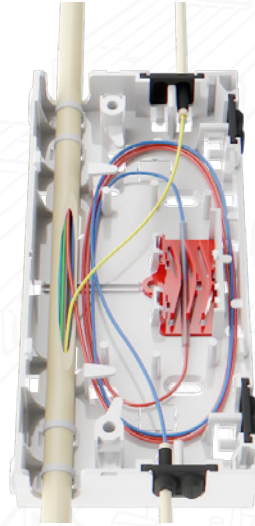
**Picture 7.** View of the installed uncut cable.



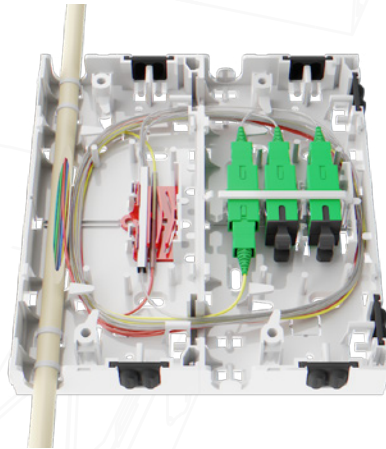
**Picture 8.** Installed multipatchcord, adapter panels and drop cable patchcords is an example of wide installation possibilities and internal fiber organization between modules.

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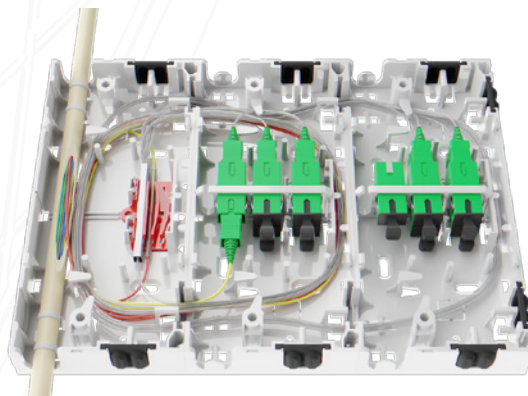
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**Picture 9.** The single module is a perfect solution for use with an easy access cable EAC as a fast fiber distribution point.



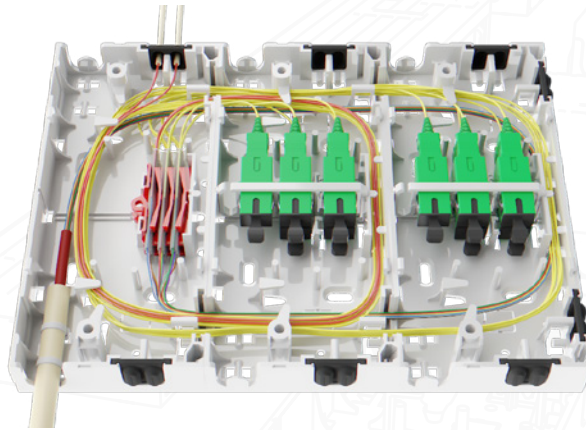
**Picture 10.** The splice holder allows the installation of splitters in an Alubox housing with a 1: 4, 1: 8 or 1:16 split.



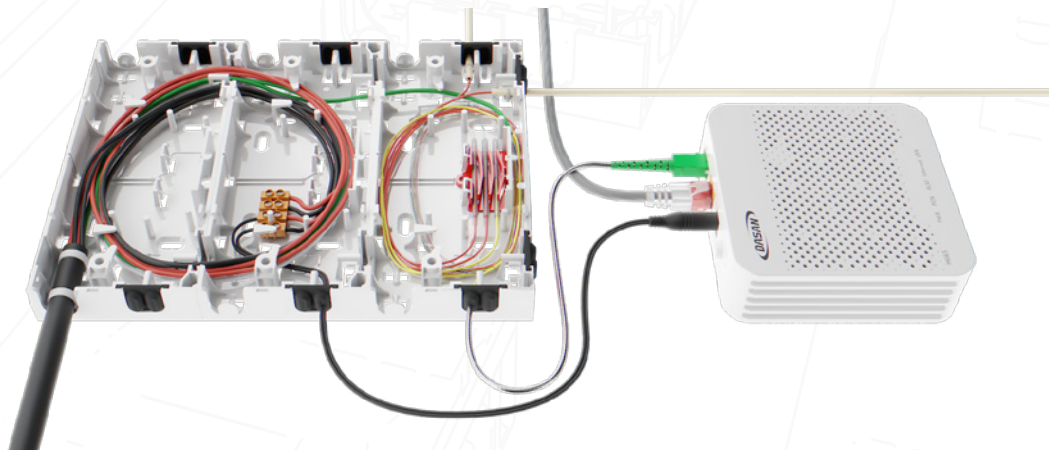
**Picture 11.** View of the expanded section with mounted 1: 8 splitter, splice holder, and adapter panel.

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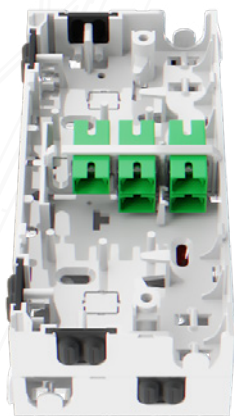
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**Picture 12.** The splice holder is stackable so the maximum capacity of one BU-XN module is 12 splices in a heat-shrink protection sleeve.



**Picture 13.** BU-XN is also ready for unusual solutions such as the installation of a hybrid cable.



**Picture 14.** In case of limited working space, the design of the modules makes it possible to be stacked.

**Technical specification**

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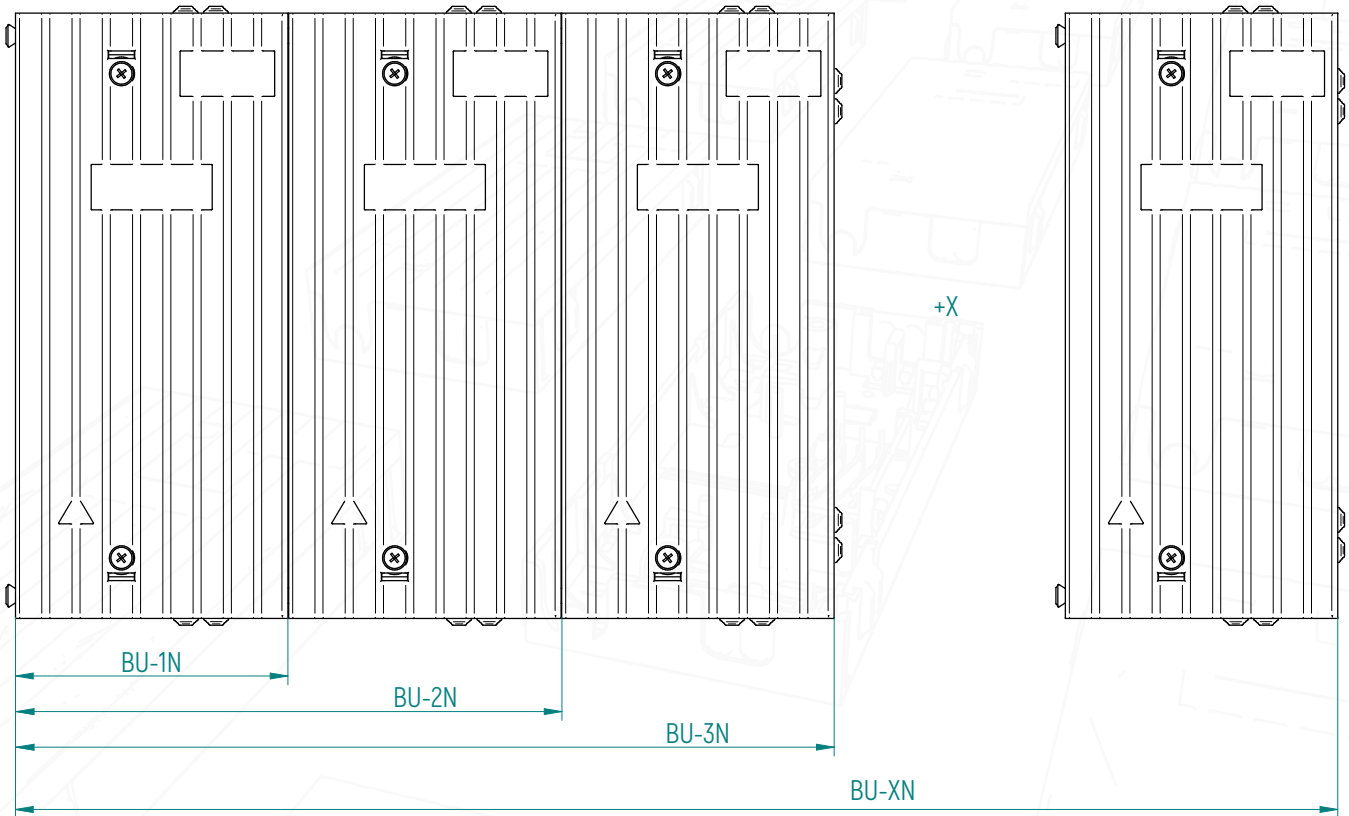
Maximum number of splices	12
Maximum number of adapters	5
FO adapter type (flangeless only)	SC, LC
Maximum cable diameter:	
Inline cable port	Ø15mm
Drop cable port	Ø5mm
Dimensions (S)x(W)x(G) [mm]	72x160x29
Temperature range	-20°C do +50°C
Housing material	PC + ABS
Adapter panel material	PC + ABS
Splice holder material	PP
Ingress protection	IP44



**Picture 15.** Comparison of box size to the popular smartphone on the market.

Technical specification

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Picture 16. Scheme of BU-XN section modules expansion.

The housing is mounted in a very simple way using two screws and dowels included in the set. The housing itself is closed with a cover fastened on two latches providing quick access to the internal part of the box. It is also possible to permanently fasten the cover with screws.

Choosing the BU-XN box means there are no limitations or inconveniences in fitting enough splices or adapters. The module assembly system allows you to increase capacity at any time and adapt to the network being built. The operator decides how to use BU-XN. **This is one product – many possibilities.**

