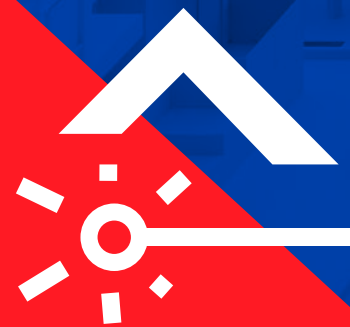


**FIBRAIN** ®

EASY ACCESS CABLE.  
A COMPLETE FIBER OPTIC SOLUTION  
FOR A MULTI-STOREY BUILDING

# EAC



**Product presentation**

→ [www.fibrain.com](http://www.fibrain.com)

# Basic information

**Easy Access Cable System is a complete fiber optic solution for a multi-storey building using EAC cables.**

A special design gives the possibility to easy access cables by cutting a hole in the outer sheath without the need to connect at the branching point. This method permits removing a fiber optic module at the distance of 25 m and, depending on the installation method, place a cable to

the customer outlet. The system is complemented by specifically designed tools, equipment and the possibility of ordering a pre-connectorized EAC cable, allowing easy and quick preparation of the whole network in a building.

# EAC system advantages

- Fast and flexible method of connecting users in multi-storey buildings
- Optimization of the workforce, cost and installation time
- Direct branching to subscribers without performing splices
- Flexible system that can be easily developed in the future
- Customization of cables and equipment to minimise the costs
- Support team from Design Department throughout the whole investment



# EAC system elements

1

**EAC vertical cables**



2

**VC drop cables**



3

**Duct cables**



4

**Distribution cabinets**



5

**Distribution wall boxes**



6

**Customer outlets**



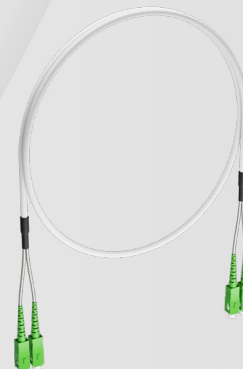
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**Optical splitters**



8

**Patchcords**



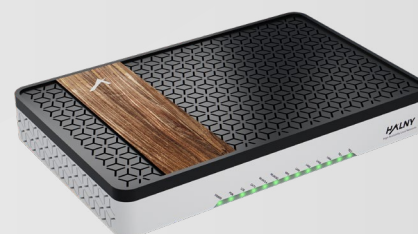
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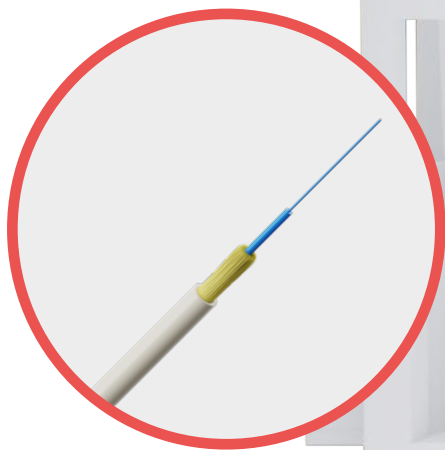
**Cable reserve boxes**



10

**GPON terminals**





**Drop cable**



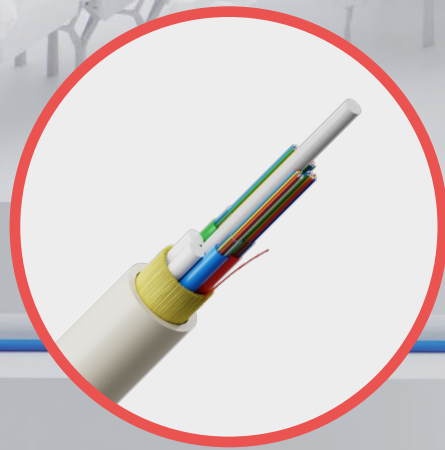
**Customer outlet**



**GPON terminal**



**Optical splitter**



**Duct cable**





**Cable reserve box**



**Distribution wall box**



**EAC vertical cable**



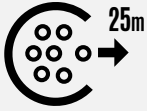
**Distribution cabinet**

EASY ACCESS CABLE

# EAC

# EAC vertical cables

They guarantee easy fiber distribution and reduce the number of required connections. At the same time due to carefully selected materials provide necessary fire-fighting safety.



Fiber extraction  
up to 25 m



ESM



CPR



LSOH



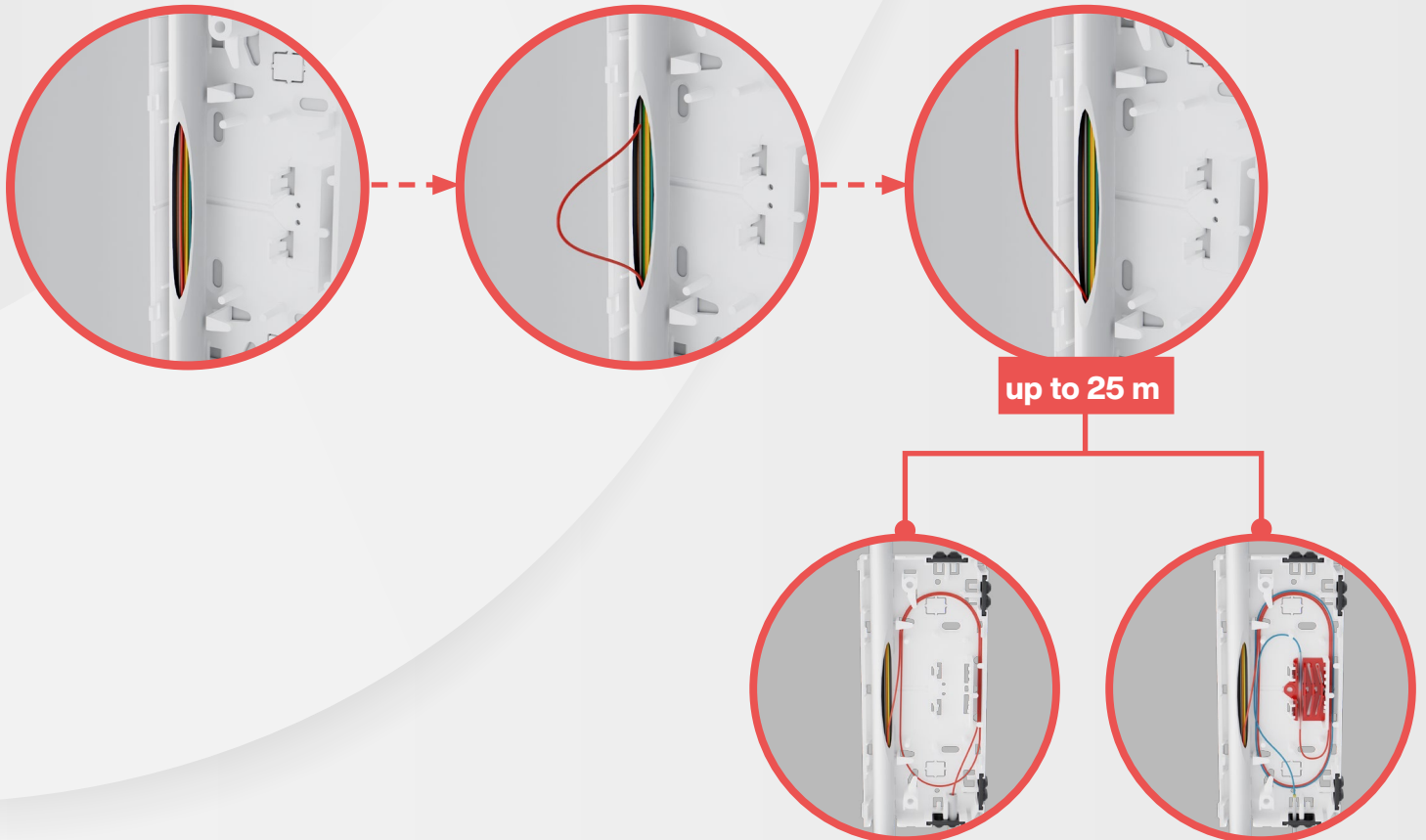
Up to 144  
fibers

## FIBRAIN vertical cables

EAC-RAS CPR:  $D_{CA}$   
2-24F

EAC-RAm CPR:  $D_{CA}$   
2-144F

## Possibility of fiber extraction



# Duct cables

Cables with single and multitube construction with higher optical fibers capacity, which connect distribution point in a building with a core network. Due to the use of LSOH sheath and CPR class, they meet all the necessary indoor cables requirement.



ESM



CPR



LSOH



Up to 144  
fibers

## FIBRAIN duct cables



**BDC-MSA LSOH**  
CPR: E<sub>CA</sub> 2-144F



**MDC-FM LSOH**  
CPR: D<sub>CA</sub> 12-144F



**EXO-D0**  
CPR: D<sub>CA</sub> 2-24F



**DC-PRIM 12-24F**

# Drop cables

FIBRAIN drop cables due to their design, including high mechanical strength, flexibility and reduced memory effect ensure quick and simple installation in FTTX networks.



ESM



Resibend Plus



CPR



LSOH



Up to  
24 fibers

## FIBRAIN drop cables



Round cables  
VC-Dx0 1-2F



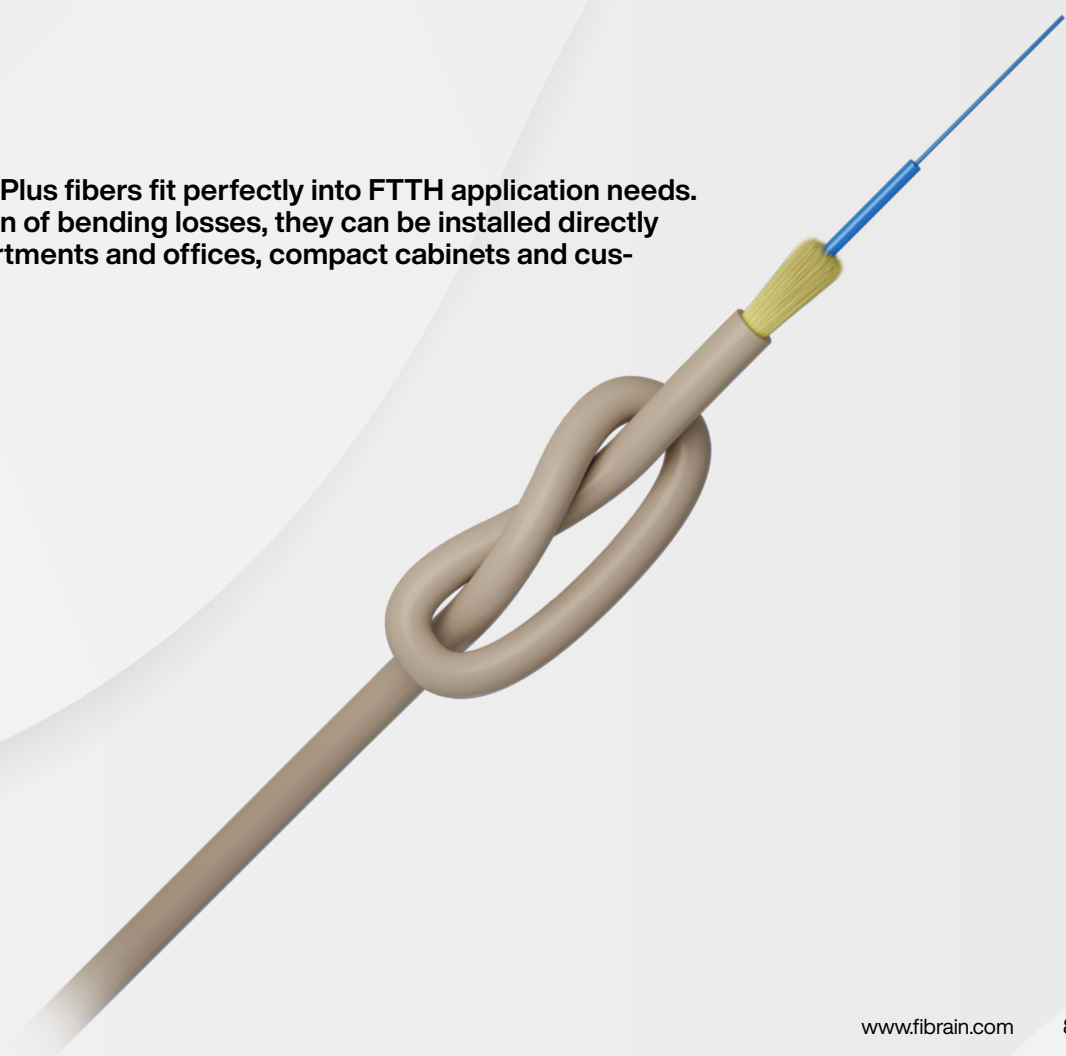
Round cables  
VC-Dx0 ESM 1-4F



Flat cables  
VC-DCY

## Resibend Plus

Cables with Resibend Plus fibers fit perfectly into FTTH application needs. Due to the minimization of bending losses, they can be installed directly around corners in apartments and offices, compact cabinets and customer outlets.





# Patchcords

Patchcords and pigtails are used to connect subscribers of FTTH networks and connections between a customer outlet and OLT equipment. These patchcords are based on cables with reinforced construction, thus they are resistant to mechanical damages, comparing to standard patchcords. Therefore, each cable is constructed from slow-burning materials that don't emit any poisonous floodlight and LSOH smoke. Available in various constructions (PA0-PA4 series).



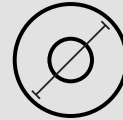
**LSOH**



**Resibend**



**Resistance to mechanical damage**



**Diameter range 2.0-4.0 mm**

## FIBRAIN patchcords



**PA0**



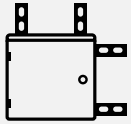
**PA1-PA3**



**PA4**

# Distribution cabinets

Distribution cabinets are specifically designed as a distribution point inside a building for optical fibers installed with the use of EAC and FTTH systems. Preconnectorized connections and fiber splicing can be performed inside.



**Wall  
mounting**



**Up to  
48 SC adapters**



**Lock  
secured**



**Metal  
housing**

## FIBRAIN distribution cabinets



**IFDT-B0**



**IFDT-F0**



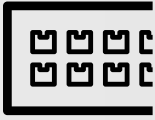
**NSR-L**



**NSR-XL**

# Distribution boxes

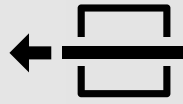
Distribution boxes provide in-line cable installation and fiber branching in various directions. Fiber optic transmission to end users is guaranteed by a spliced connection, patchcord or an optical fiber extracted from the EAC cable.



Adapter panel



Quick installation



In-line cable installation

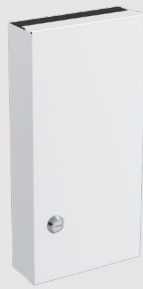


Light plastic housing

## FIBRAIN distribution boxes



BU-XN



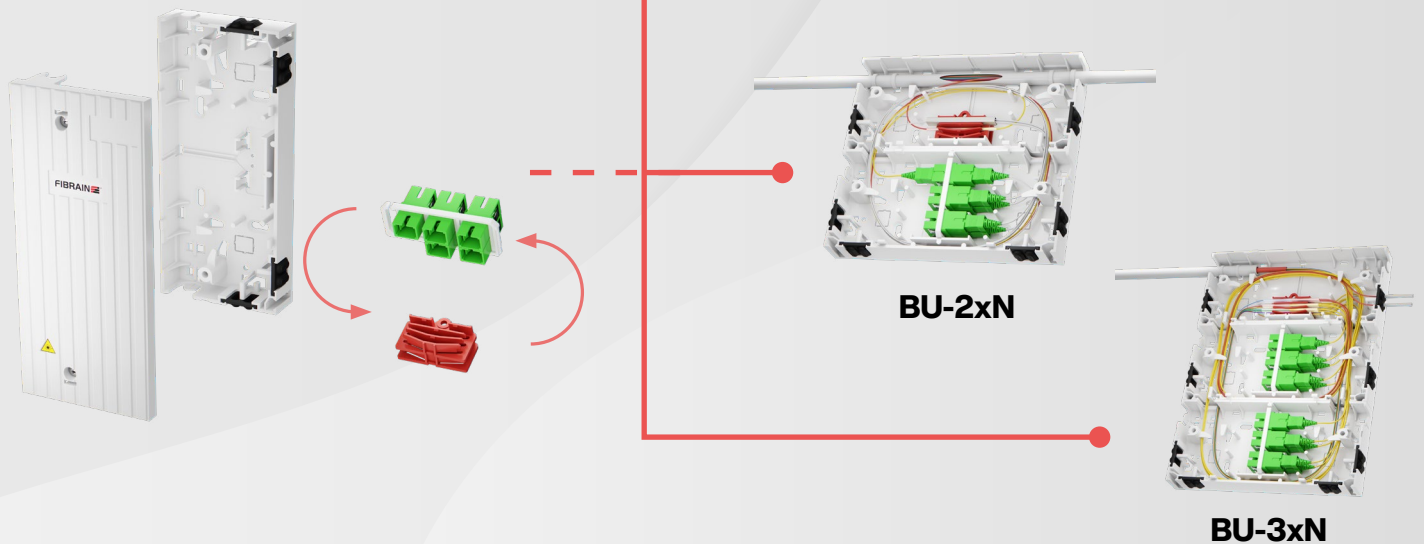
NSR-S



NSR-M

## FIBRAIN BU-XN.

One product – many possibilities.

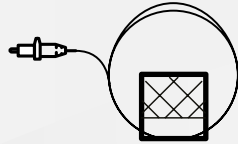


# Customer outlets

Compact housing is specifically designed for terminating optical line with max. 4 fibers inside a house and business applications. It is also available as a customer outlet with preconnectorized cable packed in a Rapid Box.



**DIN rail mounting**



**Preconnectorized option**



**2/4 x SC adapter**

## FIBRAIN customer outlets



**VFTO-E1  
2xSC customer outlet**



**A-E1  
subscriber set  
with cable reel**



**ARB-E1  
Rapid Box  
subscriber set**



**VFTO-E2  
4xSC customer outlet**

# Cable reserve boxes

Cable reserve box is specifically designed as a middle and final point of EAC system.



**Easy access to the cables**



**Lock secured**



**Max. cable capacity 80 m**

## FIBRAIN cable reserve boxes



**SZB-A-40**



**SZB-A-60**



**SZB-EAC**

# Optical splitters

FIBRAIN FPLC splitters are used to split the optical power transmitted in the fiber optic line. FIBRAIN FLPC and GOLD splitters have unique APT® technology eliminating undesirable signal reflection from disconnected splitter's outputs.



**APT® technology**



**1x2N / 1x3N / 2x2N**

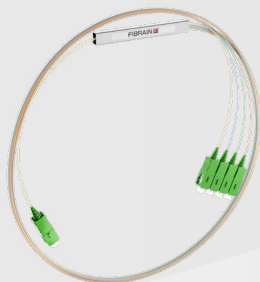


**Stable temperature**



**Up to 256 output ports**

## FIBRAIN optical splitters



**Alubox splitter**



**Blackbox splitter**



# GPON terminals and Ethernet routers

Interoperable FTTH/PON subscriber terminals and Ethernet routers with a wireless access point support MESH networks, Dual Band WiFi6.



Hybrid access:  
GPON/XGS-PON  
or Ethernet



MESH network  
support



Dual Band  
WiFi 6



IPTV  
support



Up to 10Gb/s

## Available options

GPON ONT

XGS-PON ONT

P2P CPE

## New, customized HALNy active devices

Impressive and modern design will perfectly match even the most demanding interior. Detailed information is provided by the Sales Department.



# Tools and accessories

Set of tools necessary for EAC system.



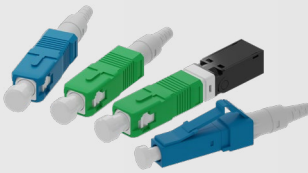
**EAC-TLS-RT-A0**

FIBRAIN EAC cable window tool



**VC-TUB-SF53-LSRF.W**

Fiber protective tube with pilot



**RC01**

FIBRAIN Rapid Connector  
SC PC / SC APC / LC PC / LC APC  
for 0.9-3.0 mm cables and VC-DCY  
cable



**FB7187P**

Suitcase with tools and  
accessory set

FIBRAIN 

# Born from motivation, built on innovations



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