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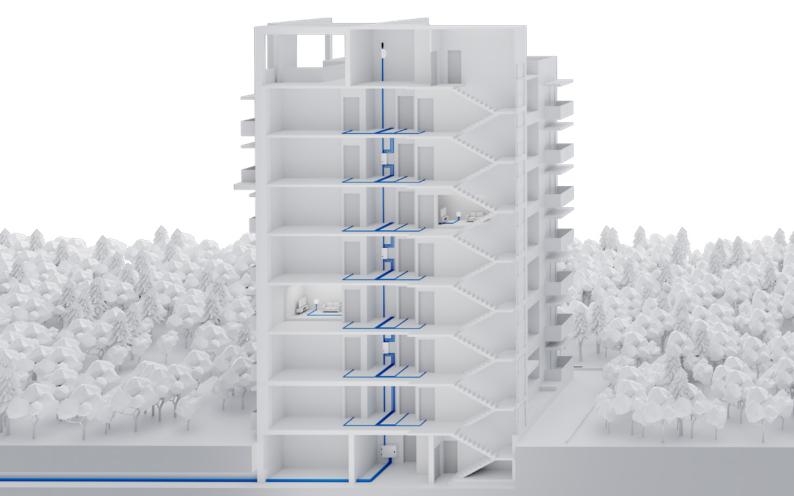
Basic information

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 25m 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

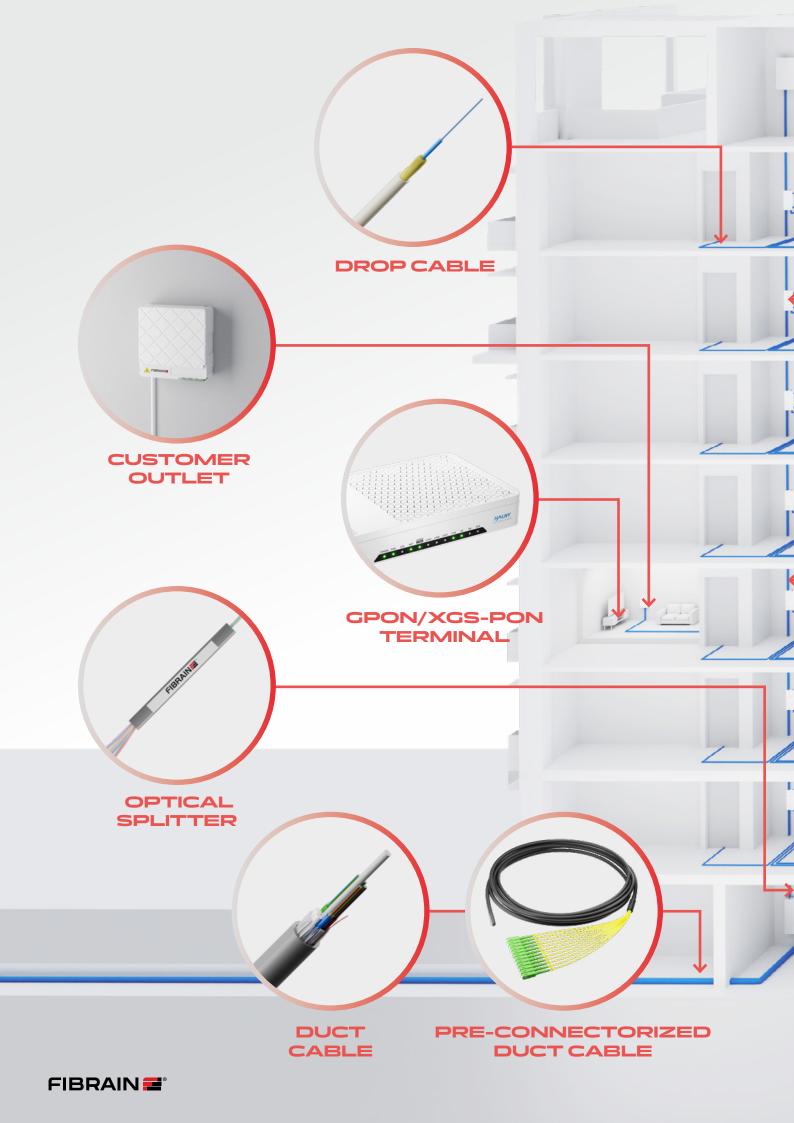


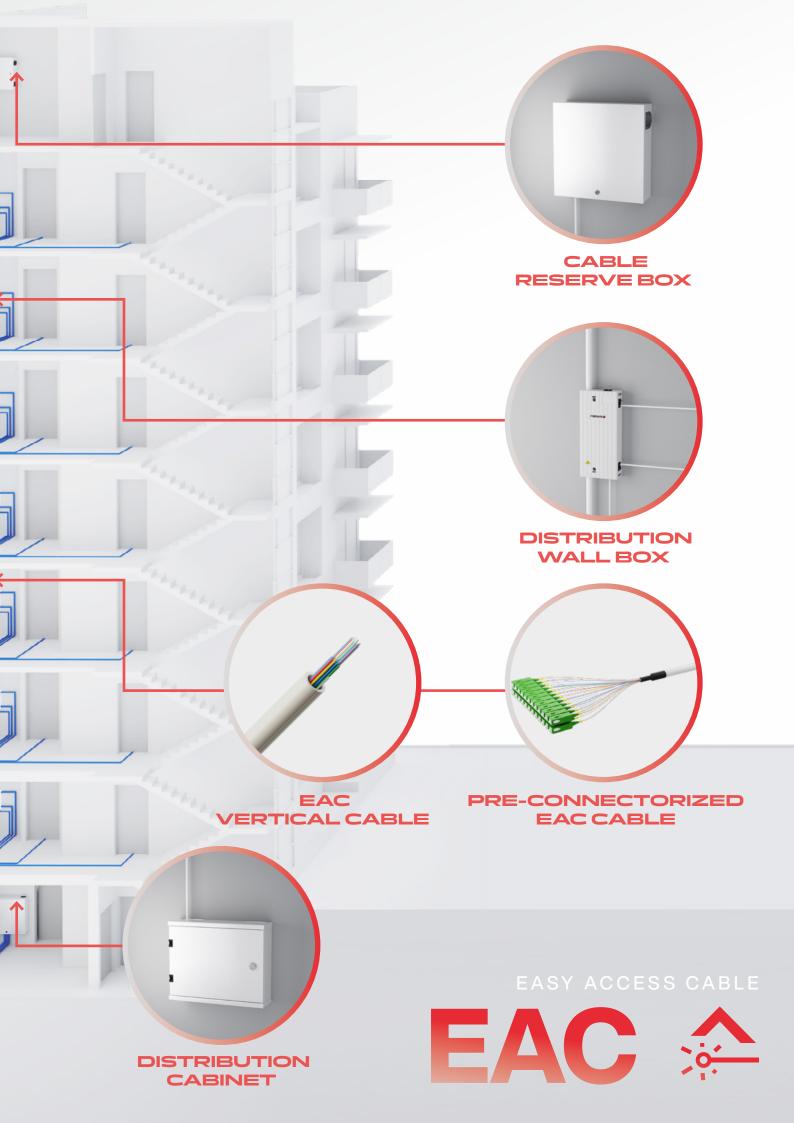
EAC system elements



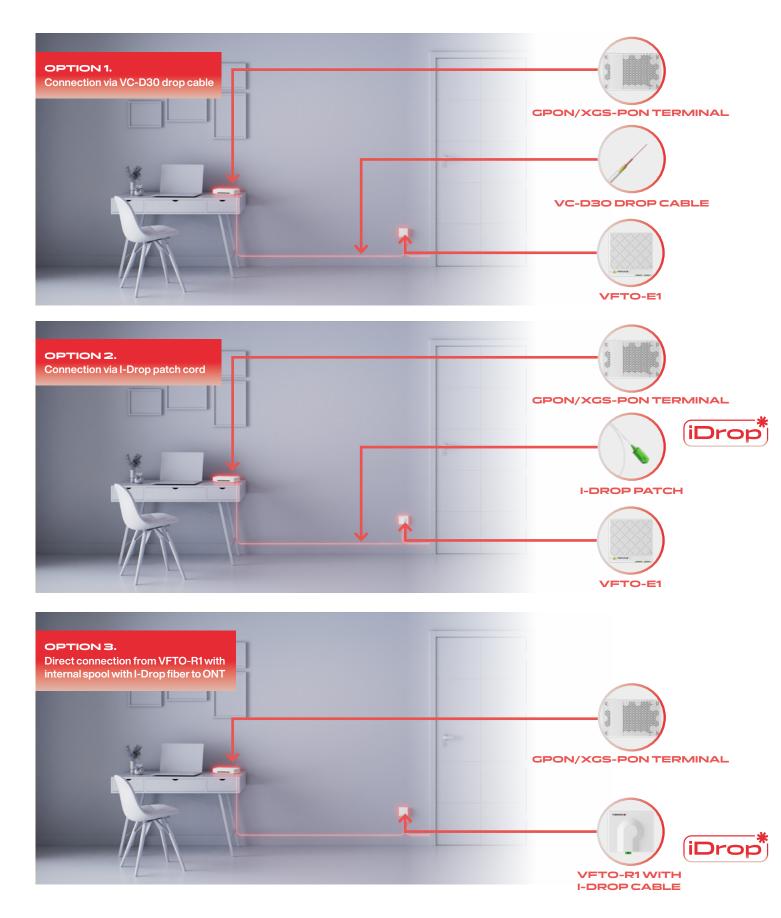






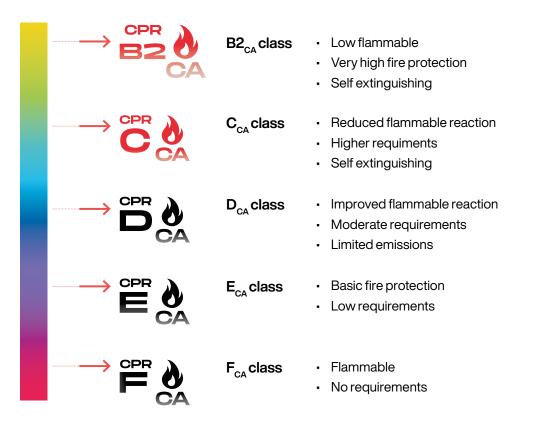


Internal connection possibilities – between an ONT and a customer outlet



CPR classification

Ensuring fire safety in buildings is paramount, and one crucial aspect is the classification of cable fire performance as per the Construction Products Regulation (CPR). Under CPR, cables are categorized into several fire performance classes, each indicating their behavior in fire conditions.



Popular recommendations to use:



- Hospitals
- Airports
- Multi-storey buildings
- Fire exits in public buildings
- High density of people

- now in FIBRAIN products portfolio

 Public buildings
 - Hotels
 - Schools
 - Office buildings
 - Medium density of people

B2

NEVV

& C_{CA} CPR class cables



- Commercials buildings: restaurants, sports bars etc.
 - Residential (medium density)



Residential (low density)

General installations in some areas



Outdoor aplications





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.

LSOH





CPR



2000

F0 144

Fiber extraction up to 25 m

ESM



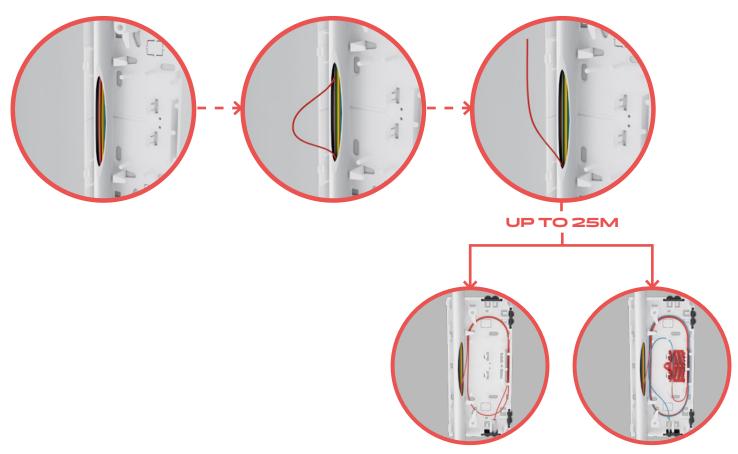
▼ Up to 144 fibers



EAC-RAS 쀁쵫 2-24F

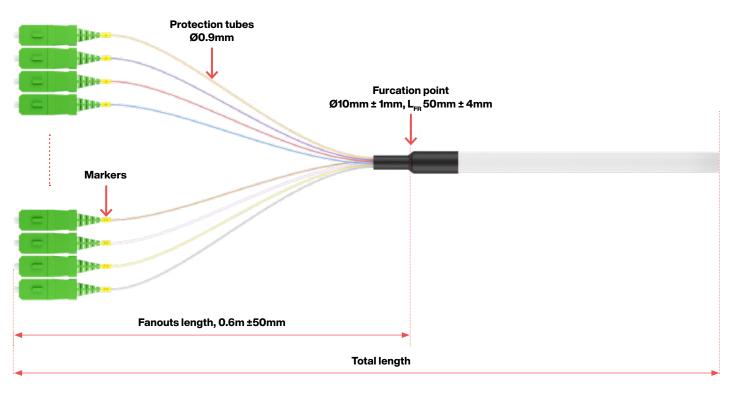


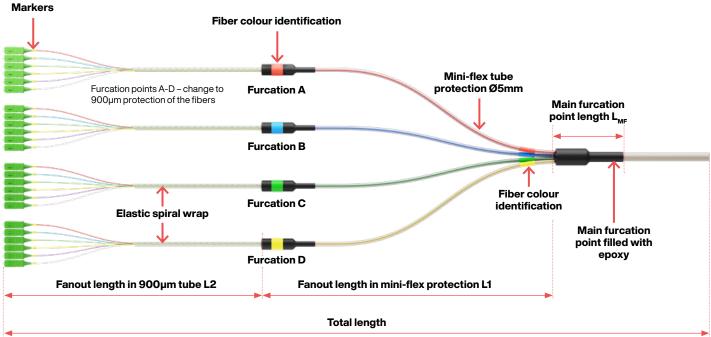
Possibility of fiber extraction



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EAC pre-connectorized cables









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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

12-288F



Up to 288 fibers



BDC-MSA LSOH Ëல 2-144F





MDC-FM LSOH 변형 12-144F



EXO-D0 52



EXO-FD75 2 / 24F



EXO-FD75C C2



DC-PRIM 12-24F

Pre-connectorized duct cables



Available in TCF or TEF series. Fully customized.



Drop cables

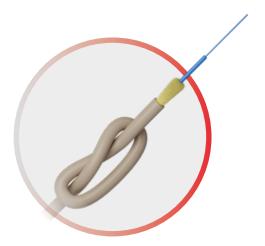
FIBRAIN drop cables due to their design, including high mechanical strength, flexibility and reduced memory effect ensure quick and simple installation in FTTX networks.

| | •••• |) | CPR | 8 | FI 4 |
|---|---------------|------|-----|-----------------------------------|-------------------|
| ESM | Resibend Plus | | CPR | LSOH | Up to 4 fibers |
| | | | | | |
| VC-Dxx 1F VC-D30 3.0 mm VC-D40 4.0 mm | | | | VC-Dxx 2F VC-D40 4.0 mm | Ser ≷ CA |
| | | | | | |
| VC-Dxx ESN VC-D21 2.1 | | | | VC-Dxx ESM 4F VC-D21 2.15 mm | |
| VC-D21C 2 | | | | VC-D21C 2.15 mr | n Ĉ |
| VC-D30 3.0 |) mm | | | VC-D30 3.0 mm | °₽₽ ¢A |
| VC-D40 4.0 |) mm | Ë è | | VC-D40 4.0 mm | Ēð |
| | | - CA | | | — CA |

VC-DCY 1-4F

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.

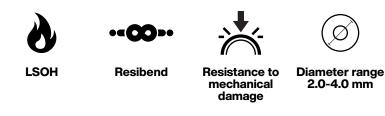


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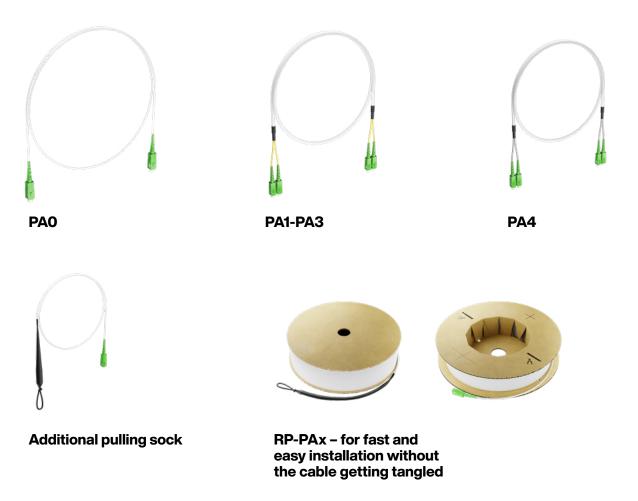
Patch cords

Patch cords and pigtails are used to connect subscribers of FTTH networks and connections between a customer outlet and ONT equipment. These patch cords are based on cables with reinforced construction, thus they are resistant to mechanical damages, comparing to standard patch cords. 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).



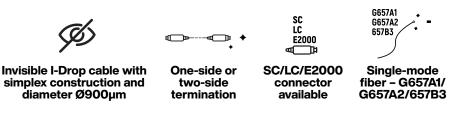
PAx family series

Direct cable termination (one connector) or with small fanouts (up to 4 connectors) with different diameters of the protection tube – PA1 Ø0.9mm, PA2 Ø2.0mm, PA3 Ø3.0mm. PA4 type – version with armored fanouts. Available as a coil or on a cardboard drum. Patch cords can be prepared for installation with additional protection with a pulling sock.



I-Drop patch cords

I-Drop system allows fast, easy, virtually invisible fiber deployment in dwelling or businesses between the ONT and a customer outlet.



Available as a coil that is wound on a cardboard drum or as a ready set with PTO box (Customer outlet section, page 17).



Easily Pullable Pre-connectorized cable EPP



An ideal solution when pulling a subscriber cable from the staircase to the apartment through a wall feedthrough. The FIBRAIN's EPP is based on a ready-made pre-connectorized cable kit with a special ending for direct pulling operation. Available with LCA and SCA connector type.



EPP variants



SC APC Pullable pigtail & patch cord



LC APC Pullable pigtail & patch cord



Also available on a cardboard drum



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



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IFDT-BO



IFDT-GO





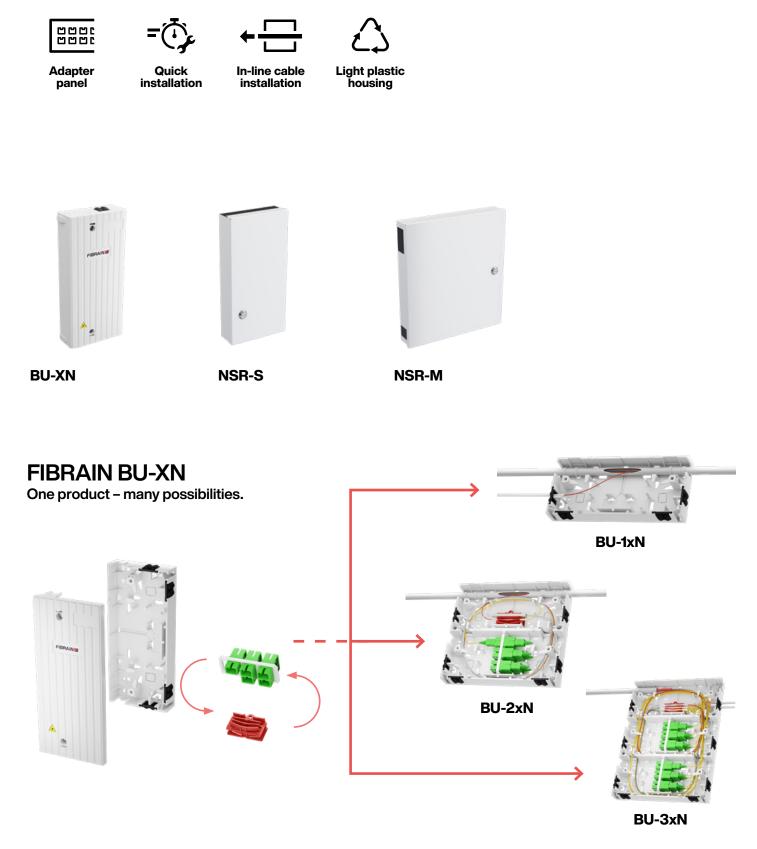
NSR-L

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, patch cord or an optical fiber extracted from the EAC cable.





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 coil.





Wall mounting

Pre-connectorized option



adapter





VFTO-E1 **2xSC** customer outlet

VFTO-F1 **4xSC** customer outlet

Customer outlet with pre-terminated drop cable in coil



VFTO-E1/F1 customer outlets Cable types: VC-D21/D30/D40



I-drop customer outlet



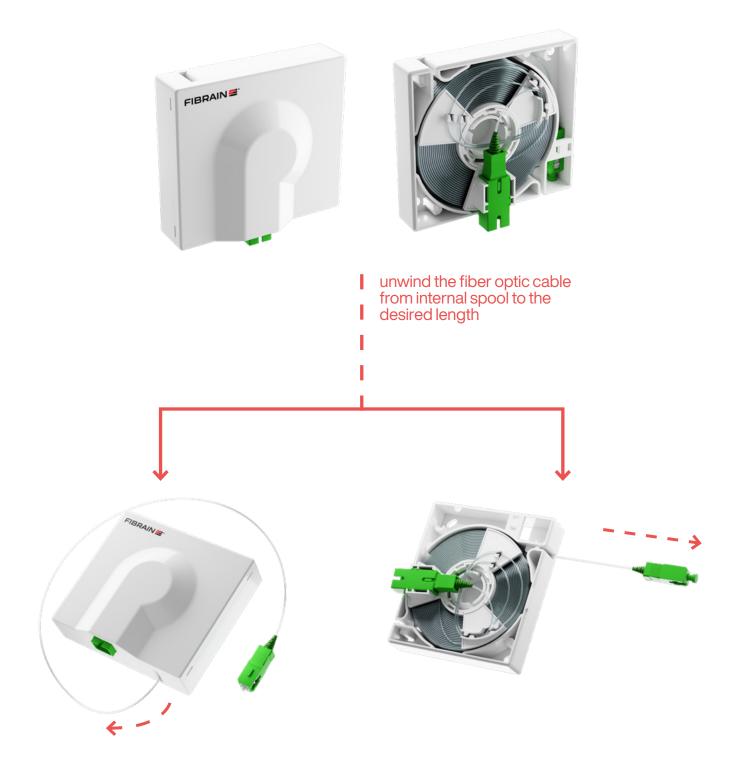


Customer outlets



VFTO-R1

Customer outlet integrated with up to 40m pre-connectorized 900 μm LSOH cable



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RapidBox

Customer outlet with factory terminated drop cable VFTO-E1-2xSC/LCdx VFTO-F1-4xSC/LCdx

Rapid box solution with a smart holder and few mounting option for easy unwinding

Capacity

70m cable with Ø4.0mm 130m cable with Ø3.0mm 300m cable with Ø2.0mm **Pre-connectorized drop cable** 1-4FO



ARB-E1



3







Cable reserve boxes

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





Easy access to the cables





Max. cable capacity 80 m



SZB-A-40

SZB-A-60

2x2N



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 disconntected splitter's outputs.





1x2N / 1x3N / 2x2N



Stable temperature



Up to 256 output ports



Alubox splitter



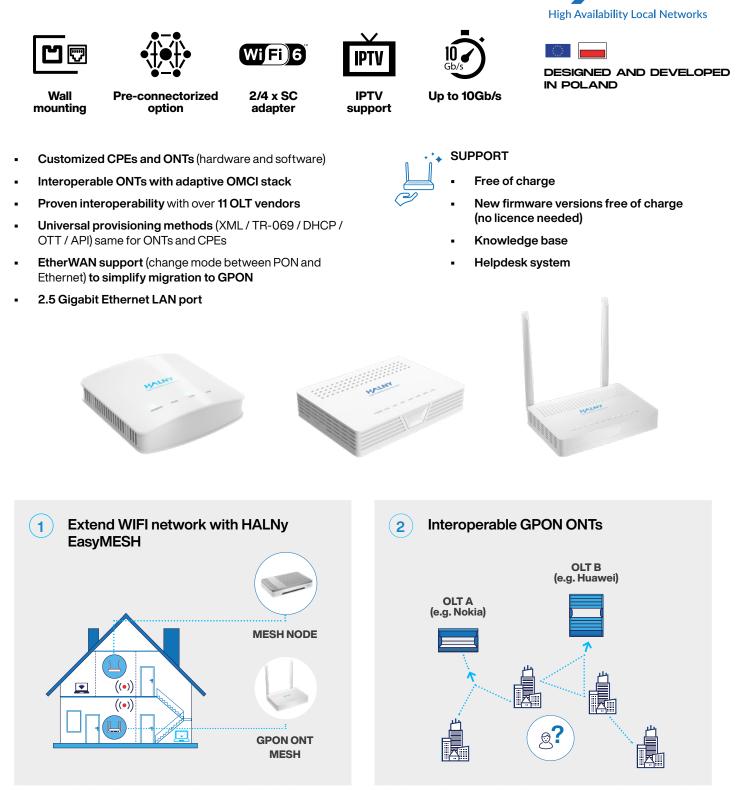
Blackbox splitter



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HALNy Networks GPON/XGS-PON terminals and Ethernet routers

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



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XLNY

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HALNy Networks



HALNy customized housing





Features

- → Possibility to use LAN4 port as an Ethernet WAN port, like a normal Ethernet router
- → The only thing to use this mode is to switch the transfer mode button on the device
- → Same housing for new generation GPON / XGS-PON ONTs and CPE

Top cover housing available in additional colors

- → All functionality like VLAN, VOIP and others remain
- → Based on one-touch provisioning. You can easily migrate from your actual technology (for example DOCSIS) to GPON, without visits to the subscriber



HALNY customized software

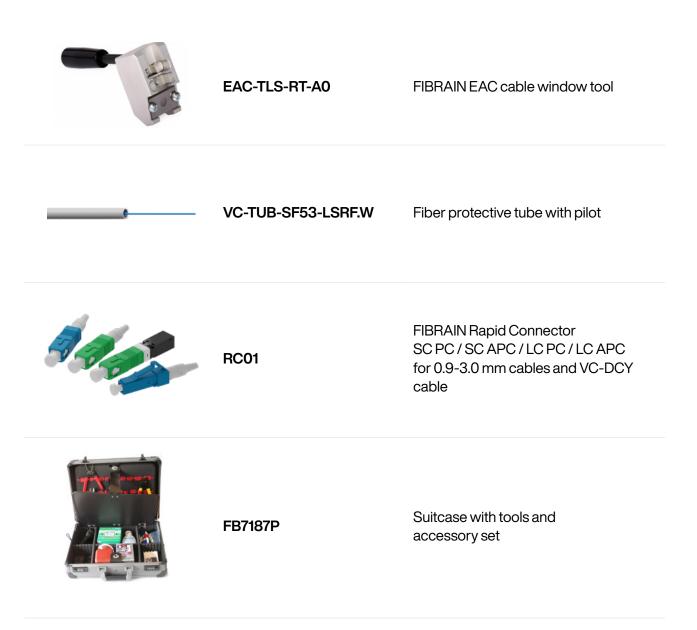
- → HALNy WEB interface with ISP logo and colours
- → WIFI Prefix with ISP name
- → Possibility to customize device with ISP default settings (like ACS, WAN, VLANs etc.)
- → Device ready OUT-OF-THE-BOX to install
- → Possibility to provision customization by ISP



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Tools and accessories

Set of tools necessary for EAC system.







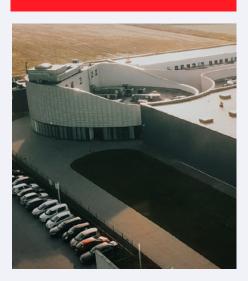


Polish independent producer of integrated and value-added solutions



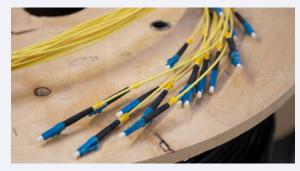














From a single fiber to millions of satisfied customers around the world



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