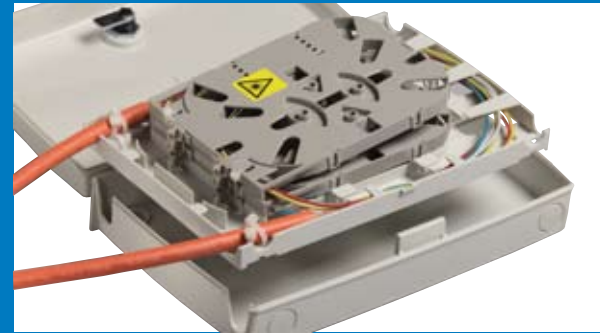




FIBOX
Enclosing innovations



Fibox FTTH Solutions





FIBOX FTTH Solutions

Fibox Splice Enclosure Concept

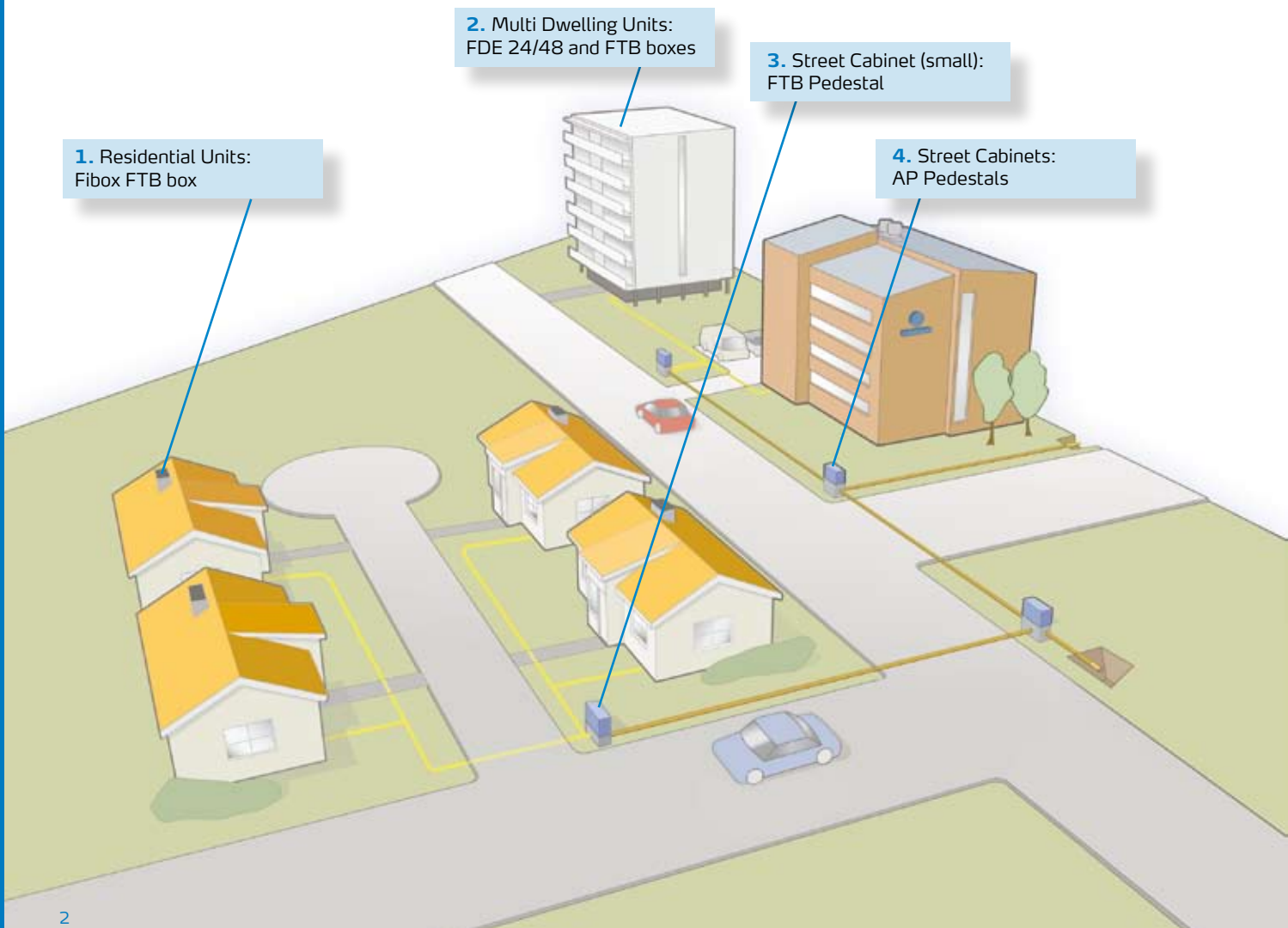
Fibox is an expert in protecting sensitive telecommunication equipment. We manufacture unique solutions that meet the demands created by various types of environments.

The Fibox FTTH enclosure and cabinet range supports Customer Premises and Network Access Point applications perfectly: solutions ranging from terminal boxes to large fiber cabinets are available. Fibox wall-mounting enclosures can be installed both indoors and outdoors.

The Fibox enclosure solutions in Network Access Points consist of larger enclosure solutions for above-ground street cabinets.

Fibox Cabinets and enclosures are designed to meet the fiber management, fiber storing and fiber splicing needs of FTTH networks.

Main Fibox Applications for FTTH



1. Residential Units - Fibox FTB (Fiber Termination Box)

The Fibox FTB Box is an easy and fast way to enclose your network termination points in FTTH networks. The build-in cable guidance and snap-lock cover ensure comfortable use and maintenance. The stylish enclosure can be installed both indoors and outdoors.

Key Benefits:

- Designed enclosure for **residential** FTTH installations
- **Plug-and-play**: Quick installation saves time and money
- Supports both **mechanical and fusion splicing**
- Material is **corrosion free** and durable polycarbonate
- **Stylish design** for visible installations
- **Quick and easy snap-in cover design**



FTB Product Range (Products are individually packed in a small carton box with an accessory bag)

Product Name	Product Code
FTB-A	6916004
FTB-L*	6916006

*enables custom-made lock installation: key lock not included

Customising options available:

Logo printing, machining, private labelling etc.

Please contact Fibox Sales Office for details

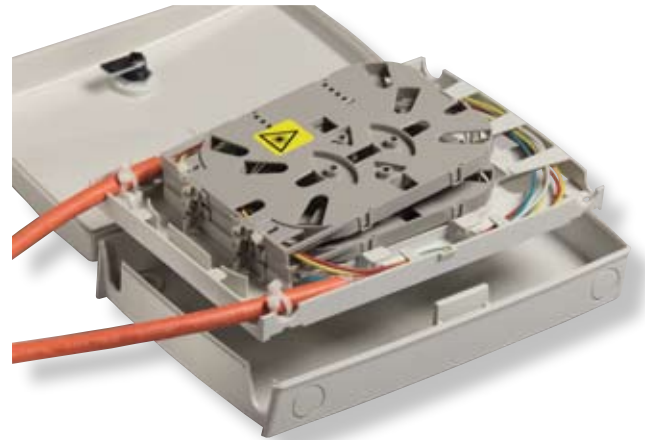
FTB-A	FTB-L	Accessories included
1	1	Exit bend guide
1	1	SC connection holder
4	4	Cable ties
1		Locking screw
1	1	Cable strength Relief with screw
1	1	Installation note
1	1	Laser warning sticker
	1	Lock counterpart with screws

Dimensions:	130 x 190 x 45 mm (L x W x H)	UV resistance UL 508
Material:	Polycarbonate/TPE	Flammability
Operating temperature:	-40°...80°C	Rating: (UL 746 C5): UL 94 VO
2 main entry points: Max. Ø 16 mm cable		Ingress Protection: (EN 60529): IP 54
2 additional entry points: Max. Ø 5 mm cable		Impact Resistance: (EN 62262): IK 08

2. Multi Dwelling Units (MDU): Fibox FDE (Fiber Distribution Enclosure)

FDE splice enclosures are designed for MDU and enterprise purposes. The FDE range has two enclosure sizes, the smaller supports up to 24 fiber connections, and the bigger up to 48 fiber connections. The state-of-art splice tray and the fiber management design make installation quick and easy. FDE wall-mounting enclosures can be used both indoors and outdoors.

The FDE range is designed to meet both installation and end user needs. The plug-and-play feature reduces the installation time and eliminates the need for extra tools. Stylish design for visible locations.



Removable base plate ensures quick and easy fiber splicing.



Key Benefits:

- **Plug-and-play:** Minimizes the installation time and saves installation costs
- Material is **corrosion free** and durable polycarbonate
- **Removable base plate:** Fiber splicing can easily be done outside of the enclosure
- Enclosure design allows **cable lay-down feature** for uncut fibers

Fibox FDE offers best in class fiber management for FTTH solutions.

FDE Product Range (Products are individually packed in a carton box with accessories and provided with a quarter-turn closing system: key lock optional)

Product Name	Product Code
FDE-24A*	6917024
FDE-48A*	6917048

* Includes base, cover, base plate and product specific accessories

Customising options available:

Logo printing, machining, private labelling etc.

Please contact Fibox Sales Office for details

FDE-24A	FDE-48A	Accessories included
2	4	Splice trays
2	4	Splice holder for 12 heat shrinks
24	48	Single fiber heat shrink 45 mm tubes
2	2	Cable strength relief
4	0	FS 24, cable entry sealing
0	4	FS 48, cable entry sealing
4	8	Hinges for trays
1	1	Laser warning sticker

Dimensions:	FDE-24A: 253x180x65 mm (LxWxH) FDE-48A: 333x246x95 mm (LxWxH)	UV resistance UL 508
Material:	Polycarbonate/EPDM	Flammability
Operating temperature:	-40°...80°C	Rating: (UL 746 C5): UL 94 VO
Accessories:	Splice tray 10 mm Splice holder for 10 heat shrinks and 1 splitter (4x4 mm.) Splice holder for 12 heat shrinks 45/60 mm. Key lock EPDM Cable gland M20 (for FDE-24A) EPDM Cable gland M25 (for FDE-48A)	Ingress
		Protection: (EN 60529): IP 54
		Impact
		Resistance: (EN 62262): IK 08

Fibox FTB and FDE splice enclosures for residential, MDU and business environments.



3. FTB Pedestal

This small street cabinet is a stand alone solution for the last outdoor subscriber connection. The Fibox FTB box is integrated into the metal pedestal design and can be easily removed. The design of the pedestal provides an easy access to all of the installations. The metal pedestal has extra space for the over-length fibre.

Product Name	Product Code
FTB Pedestal (FTB-A included)	6919001

Dimensions:	1004 x 205 x 60 mm (HxWxD)
Material:	Galvanized steel/Protected with polyester powder coating
Color:	Grey RAL 7037



Easy access to all the installations



4. Street Cabinets

4.1. AP Cabinet - Metal

The AP metal cabinet is designed with the special backboard to mount the range of Fibox plastic enclosures. The overall design of the backboard is 700 x 440 mm (H x W) and it is possible to mount 5 types of Fibox enclosures up to the size of 600 x 400 x 250 mm (H x W x D).

Product Name	Product Code
Metal Street Cabinet*	6919080

*AP enclosure not included

Dimensions:	845 x 535 x 310 mm (HxWxD)
Material:	Galvanized steel/Protected with polyester powder coating
Color:	Grey RAL 7037

Cabinet includes in-ground base, safety lock and lift-off lid with handle for easy access.



Sample cabinet mounted with AP-192 enclosure

4.2. AP Enclosures

The Access Point (AP) enclosure serves as a fiber splice point in FTTH networks. The fibers from the AP are typically connected to the FTB or FDE on customer premises.

AP-96 and AP-192 enclosures are provided with a fiber organizer and the required number of splice trays. The AP range can be tailored to meet specific customer needs.

Key Benefits:

- Splicing of the cable can be done outside of the pedestal and the AP can be mounted onto the pedestal after splicing: **faster and more convenient installation**
- Flexibility: the **AP can be customized** to meet customer AP applications in size and capacity
- The AP enclosures can be installed in metal or plastic pedestals



AP Enclosure Product Range (Products are individually packed in a carton box with accessories)

Product Name	Product Code
AP-96	6918020
AP-192	6918040

Customising options available:

Logo printing, machining, private labelling etc.

Please contact Fibox Sales Office for details

AP-96	AP-192	Accessories included
8	16	Splice trays – 12 fusion
1	1	Organizer (max 28 splice trays)
1	1	Cable ties
1	1	Cable strength relief
1	1	Laser warning sticker

	AP-96	AP-192
Splicing	Up to 96 splices	Up to 192 splices
Enclosure size	600 x 300 x 170 (H x W x D)	600 x 400 x 210 (H x W x D)
Material	ABS	ABS
Number of entry ports	7 - M12 for incoming cable - 6 x M25 for 4 x 5 mm tube/cable	14 - 2 x M12 for incoming cable - 12 x M25 for 4 x 5 mm tube/cable
Enclosure includes	Base and cover Mounting plate Cable glands for entry ports	Base and cover Mounting plate Cable glands for entry ports

4.3. AP Cabinets - Plastic

Product Name	Product Code
Street Cabinet 2 *	6919010
Street Cabinet 6 *	6919040

*AP enclosure not included

Dimensions:	Cab.2: 1622x433x240 mm (HxWxD) Cab.6: 830x605x320 mm (HxWxD) (in-ground base: 900x450x310 mm) (HxWxD)
Material:	Glassfibre reinforced polyester
Colour:	RAL 7035 light grey
Ratings:	IP 44 IK 10
	Cabinet is lockable

Key Benefits:

- Robust and non-rotting glassfiber reinforced polyester
- UV stabilizer for outdoor applications
- The rainhood shape prevents water stagnation on the roof



Sample cabinets mounted with AP-96 and AP-192 enclosures

Fibox Key Benefits:

- Leading supplier of thermoplastic enclosures for harsh and demanding environments
- Over 40 years of experience in the enclosure business
- A wide range of products - over 1000 standard enclosures
- Customer-specific enclosures - optimum solutions for your needs
- Global service network: guarantees precise and on-time deliveries

Fibox Global Service Network

Our global service network covers the entire world. Fibox has manufacturing facilities in 5 countries, sales offices in 13 countries and distributors in 30 countries.

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