

## PBO Size 2 V2

### Indoor/Outdoor FTTH Branching Point Box

The PBO Size 2 is designed for use as an indoor or outdoor FTTH branching point box for a maximum of 144 fusion splices. Equipped with the BPEO Evolution organiser, the box is also suitable for mechanical splices and PLC splitter management.

Product is suitable for building distribution

The PBO 2 is based on a standard box from the BDX 3000 range already extensively used worldwide.

The hinged cover can be removed from the base. This allows work to be carried out when the box is already installed in position.

The PBO size 2 is closed with a latch and may be secured with a locking device if required.

Compartment volume is less than 6 liters, excluding feeder and drops entry area.

#### Content of the standard product:

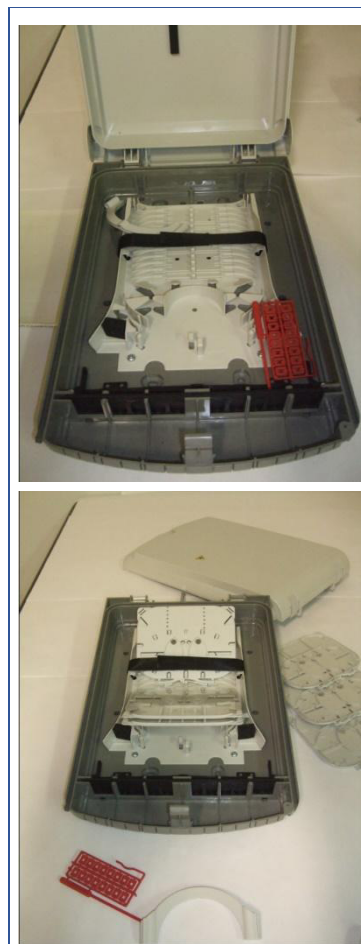
BDX3000 box size 2

Organiser with 12 slots for trays

Anchoring device for main cable and drop cable

#### Accessories

Splice trays and closure supports should be ordered separately.



Distribution Box PBO Size 2

Caractéristiques	Avantages
Versatile product for indoor or outdoor use	One product matches all requirements
Organiser with swivelling trays	Possible to reach each splice without disturbing other fibres
Anchoring device for main cable and drop cable	Each cable is secured in place
Wall or pole installation	Possible to use in both indoor and outdoor locations
Mid span access facility	

General product features/ Specification		
Connection	Capacity	Information
Mechanical splices (Fibrlok® 4x4)	72	6 or 12 splice trays
Splitters 1 by 8	6	1 splitter & 9 splices in 2-slot tray
Splitters 1 by 32	2	12 splice trays
Fusion splices High-density	144	12 splices per tray
Installation	Screws (4 x M6)	
Degree of protection (EN 6 529)	IP 55 / IK06	
Dimensions (in mm)	without fixing supports BDX3000 T2B Volume below 6 liters, excluding feeder and drops entry area.	Length: 400 Width: 255 Depth: 86
Color	Body Dark grey - RAL 7037 Cover Light grey - RAL 7035	
Material	Thermoplastic	

Description	Réf.No	Catalogue number
PBO box size 2 with 12-slot organisers	N501659A	FQ100079067
Fixing bracket for PBOs 2 units required for PBO size 2. Minimum Order Quantity: 4	N530171A	
BPEO-K7-1 SLOT-12 fusion Compatible with fusion splice protectors 45 or 60 mm long Splice tray supplied with a cover	N541106A	
BPEO-K7-2 SLOT-12 fusion and PLC splitter Compatible with fusion splice protectors 45 or 60 mm long Can accommodate 70x10x6 mm PLC splitter Splice tray supplied with a cover	N541104A	
BPEO-K7-1 SLOT-6 Fibrlok®2540G Compatible with mechanical splices Fibrlok 2540G Splice tray supplied with a cover	N541103A	
BPEO-K7-2 SLOT-12 Fibrlok 2540G Compatible with mechanical splices Fibrlok 2540G Splice tray supplied with a cover	N541108A	
BPEO-K7-2 SLOT-10 Fibrlok with Splitter Can accommodate 70x10x6 mm PLC splitter Splice holder for 10 Fibrlok 2540G Splice tray supplied with a cover	N541110A	
Keylock Type 1242-E: Lock (MOQ= 10), 2 Keys (MOQ = 10) Cable Ties are not supplied	NN36903100 NN16955500	

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This latest version of the PBO Size 2 has evolved to manage mid span loose tubes feeder cables.

The PBO size 2 can accommodate loose tube cable loops up to 3 metres in length.

This box is designed for use as an indoor or outdoor FTTH branching point for 36 to 144 fusion splices. Equipped with the BPEO Evolution organiser, this product is also suitable for mechanical splices, splitter management and installation of couplings.

This product is also suitable for building distribution

The PBO 2 is based on a standard box range BDX 3000 which is extensively used worldwide.

The hinged cover can be removed in order to have full access to the organiser. It also allows the installation within pedestal cabinets.

The PBO size 2 is closed with a latch and may be further secured with a locking device, if required.

Contents of this version of product:

- BDX3000 box size 2
- Organiser with 12 slots
- Anchoring device for main cable and drop cable
- Accessories

Splice trays and box supports are to be ordered separately.










PBO Size 2 for loose tubes mid span access



Caractéristiques	Avantages
Versatile product for indoor or outdoor use	One product to meet all requirements
Organizer with swivelling trays	Possible to reach each splice without disturbing other fibres
Anchoring device for main cable and drop cable	Each cable is secured in place
Wall or pole mounting	Versatile product
Mid span access facility	Specifically designed for loose tubes

General product features/ Specification		
Connection	Capacity	Information
Fusion splices	144	12 splice trays
Mechanical splices	72	12 splice trays
Splitters 1 to 8	12	Splice Tray 5 mm 9 fusion 1 splitter
Splitter 1 to 32	2	Splice Tray 10 mm
Specifications	Feeder Cables up to diameter 9,8 mm Buffer Loop Capacity for 12 loose tubes > 3m 15-25 drops with diameters of 2-3mm	
Degree of protection (EN 6 529)	IP 55 / IK06	
Dimensions (in mm)	Length x Width x Depth = 400 x 255 x 116 mm	
Color	Body = Dark Grey = RAL 7037 Cover = Light Grey = RAL 7035	
Material	Thermoplastic	
Mounting without Supports	On walls = screws (4 x M6) not delivered On Pole=directly with metal band (not delivered)	

## PBO Size 2 for Loose Tubes Mid Span: ordering information

Description	Ref.No	Catalogue number
	PBO Size 2 for loose tubes mid span	501676
	BPEO-K7-1 PAS-12 fusion Compatible with fusion splice protector 45 mm Splice tray is supplied with a cover	541106
	BPEO-K7-2 PAS-12 fusion and PLC splitter Compatible with fusion splice protector 45 or 60 mm Can accommodate 70 x 10 x 6 mm PLC splitter Splice tray is supplied with a cover	541104
	BPEO-K7-1 PAS-6 Fibrlok® 4 x 4 Compatible with mechanical splice Fibrlok® 4 x 4 ref. 2540G Splice tray is supplied with a cover	541103
	BPEO-K7-2 PAS-12 Fibrlok 4 x 4 Compatible with mechanical splice Fibrlok 4 x 4 ref. 2540G Splice tray is supplied with a cover	541108

	BPEO-K7-2 PAS-10 Fibrlok with Splitter Can accommodate 70 x 10 x 6 mm PLC splitter Splice holder for 10 Fibrlok 4 x 4 ref. 2540G Splice tray is supplied with a cover	541110	
	BPEO-K7-1 PAS-9 fusion with splitter Splice tray is supplied with a cover	541113	
	BPEO- K7- 2PAS - Universal splice tray Splice tray is supplied with a cover	541121	
	BPEO- K7 1 PAS+12 ANT-S Splice tray is supplied with a cover	541114	

Accessories	Description	Ref.No	Catalogue number
	Pole Mounting Bracket (order 2 per box)	880959	
	Wall mounting Bracket (order 2 per box)	530171	

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This symmetric floor box can serve as an interface between the riser cable and the customer drop cables and be installed in mid-span access or window-cut cables.

The design provides a pathway for the vertical cable with dual anchoring on the right and coiling area on the left-hand side, where uncut or pending fibers and microtubes can be stored. There is a ramp for a 4-slot organizer which can be placed on the left or the right, depending on the riser cable's position and can be equipped with up to 4 one-slot cassettes, for 12 fusion splices.

The preterminated drop cables are connected to SC or duplex LC couplings. An optional cover can protect the cable entries.

This symmetric floor box can be attached at 52 mm from the wall when installing on layout of cables, with a bracket and a back-mount frame to protect against dust.



PBPO/C NG for couplings

Dimensions mm		
Stand-alone box		Box with cover
Length	204	300
Width	158	158
Height	50	50

## Features and benefits

Compact box with sliding cover	Fitting in narrow riser locations
Symmetric design	Managing any riser pathway
Dual anchorage for main feeder	Installation on window-cut cable, mid-span access or splicing of two cables
Large coiling storage for micro-modules, loose tubes or bare fibers	Management of any configuration, including securing bare fibers (no need for protective tubes)
Organizer type BPEO evolution, 4-slots	Large combination of cassettes

Characteristics	
Material	V0 flame-retardant plastic
Color	White – RAL 9010
Ingress protection	IP40/ IK07
Diameter of cables	Feeder cable: 13.5 mm max Drop cable: 4.5 mm max
Cable anchorage	Feeder cable on 2 holders with 2 cable ties (included) Drop cable: 16 positions for SC adaptors for each preterminated drop
Splicing	4-slot organizer for up to four 1-slot (5 mm) cassettes or two 2-slots (10 mm) cassettes – BPEO evolution type Maximum splicing capacity: 48 fusions with heat-shrink thermo sleeves Splicing cassettes not included - to be ordered separately
Wall-mounting	4 mm screws (included, with dowels)

## PBPO/C for couplings: ordering information

Description		Delivery Unit	Part Number	
PBPO/C NG for couplings With 4-slot organizer		N501760A	10, packed individually	FQ100084117
Accessories (in option)	Protective cover for PBPO NG	N681288T	10	FQ100084315
	Mounting bracket kit, with back-mount frame	N711833T	10, packed individually	FQ100084323

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This symmetric floor box can serve as an interface between the riser cable and the customer drop cables and be installed in mid-span access or window-cut cables.

The design provides a pathway for the vertical cable with dual anchoring on the right and coiling area on the left-hand side, where uncut or pending fibers and microtubes can be stored. There is a ramp for a 4-slot organizer which can be placed on the left or the right, depending on the riser cable's position and can be equipped with up to 4 one-slot cassettes, for 12 fusion splices.

Cables are anchored on the outside of the box, in front of the gasket with the help of plastic cable ties. An optional cover can protect the cable entries.

This symmetric floor box can be attached at 52 mm from the wall when installing on layout of cables, with a bracket and a back-mount frame to protect against dust.



PBPO NG with external anchoring

Dimensions mm		
Stand-alone box		Box with cover
Length	204	300
Width	158	158
Height	50	50

## Features and benefits

Compact box with sliding cover	Fitting in narrow riser locations
Symmetric design	Managing any riser pathway
Dual anchorage for main feeder	Installation on window-cut cable, mid-span access or splicing of two cables
Large coiling storage for micro-modules, loose tubes or bare fibers	Management of any configuration, including securing bare fibers (no need for protective tubes)
Organizer type BPEO evolution, 4-slots	Large combination of cassettes



Characteristics	
Material	V0 flame-retardant plastic
Color	White – RAL 9010
Ingress protection	IP40/ IK07
Diameter of cables	Feeder cable: 13.5 mm max Drop cable: 4.5 mm max
Cable anchorage	Feeder cable on 2 holders with 2 cable ties (included) Drop cable: 12 holders with external anchoring and cable ties for 1 or 2 drops
Splicing	4-slot organizer for up to four 1-slot (5 mm) cassettes or two 2-slots (10 mm) cassettes – BPEO evolution type Maximum splicing capacity: 48 fusions with heat-shrink thermo sleeves Splicing cassettes not included - to be ordered separately
Wall-mounting	4 mm screws (included, with dowels)

## PBPO-External Anchoring: ordering information

Description		Delivery Unit	Part Number	
PBPO NG with external anchoring With 4-slot organizer		N501758A	10, packed individually	N501758AFQ-1000-8409-1
Accessories (in option)	Protective cover for PBPO NG	N681288T	10	FQ100084315
	Mounting bracket kit, with back-mount frame	N711833T	10, packed individually	FQ100084323

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## eDB<sup>2</sup> Terminal - Technical Information



The eDB<sup>2</sup> is a fibre optic distribution box designed for installations at the base of buildings and on floor landings. This housing is modular and has a wide range of accessories in order to meet the needs of various fibreoptic applications. The eDB<sup>2</sup> is an ideal FTTH distribution point with its 48-fibre capacity. It is also suitable to create a multi-operator mutualisation point. Equipped with the BPEO organiser, this product provides a management system for mechanical splices and splitters. This housing is made up of 2 separate compartments to ensure the best possible protection for splices and splitters. It may also be equipped with SC/APC connection systems and with drops. The eDB<sup>2</sup> offers the option of installation in the form of a cascade. The in-line configuration meets high-capacity fibre requirements.

### eDB<sup>2</sup> Base Assembly

- 2 x Patch field 12 x SC
- 2 x Cable Entry 10x5mm
- 1 x Splitter holder
- 2 x PAS II empty
- 2 x Splice Holder Heat shrink
- 2 x Splice Holder Crimp
- 4 x Strain Relief black
- 2 x Label 1-12 und 13-24
- 2 x Flex Bridge
- 1 x Inner Cover incl. holder etc.

### Accessory Pack 1

- 1 x 6 x 13 Cable Entry
- 1 x Cable Slack Drum
- 1 x Rear Entry

### Accessory (Drop fix)

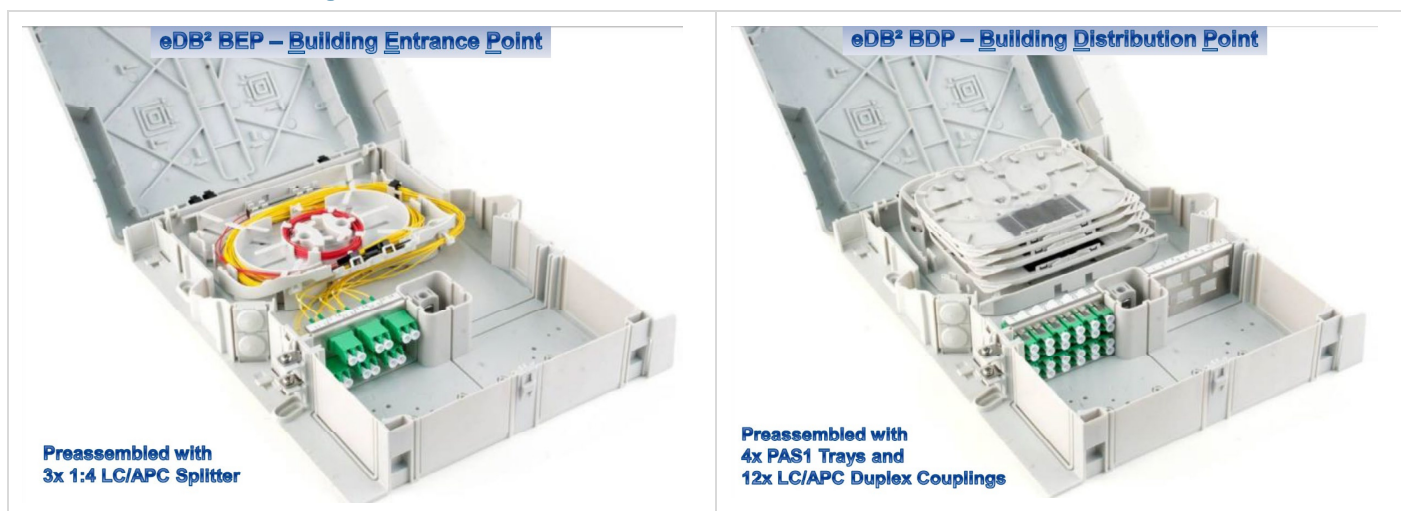
- 50 x Dropfix

Features	Benefits
High degree of modularity for use internally or externally	<u>Product suitable for various applications</u>
Organiser with swivel tray	Ease of access to every fibre
Organiser with area for storage of ready fibre	Distinction of active and passive fibres
Device for immobilisation of the cable/tubes and drops	Excellent cable support
Wall mounting	

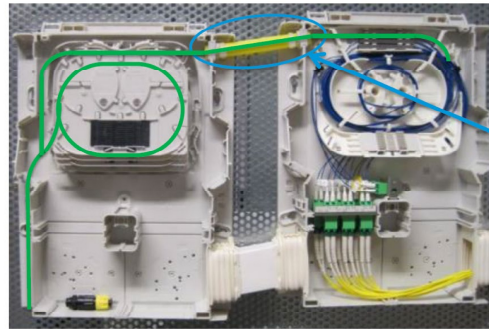
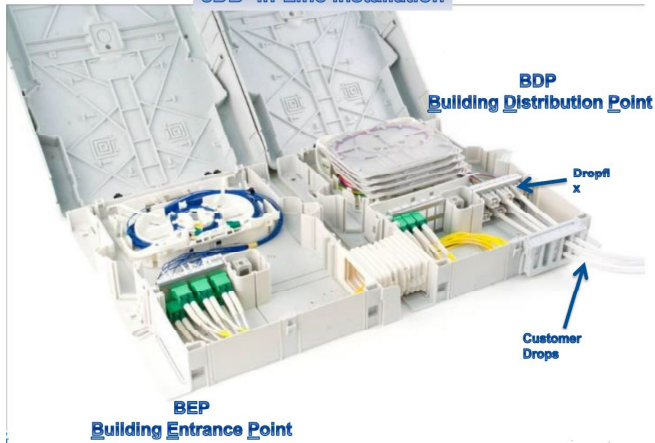
## Technical Information

Characteristics	
Fusion splices	48 FO Capacity / 4 Trays
Mechanical splices	24 FO Capacity / 4 Trays
Cable	20 drops with a maximum diameter of 5 mm 2 main cables with a maximum diameter of 13 mm
Dimensions (HxWxD)	320 x 248 x 50 mm
Materials	Thermoplastics
Colour	Body and cover Ral 7035
Degree of protection (EN 6529)	IP 55 / IK 06

## eDB<sup>2</sup> Terminal - Configurations



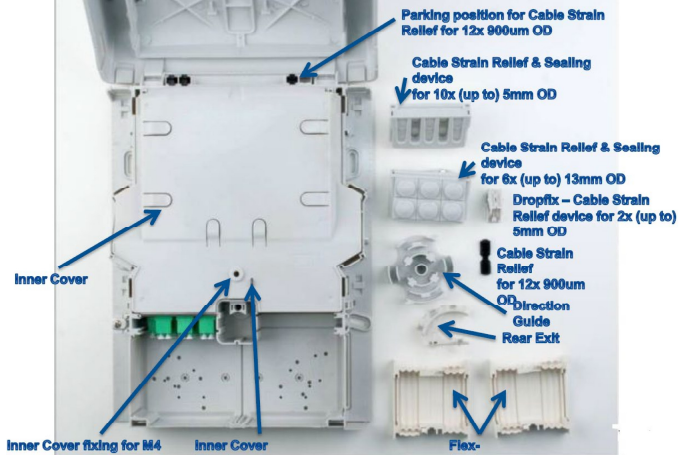
## eDB<sup>2</sup> In-Line Installation



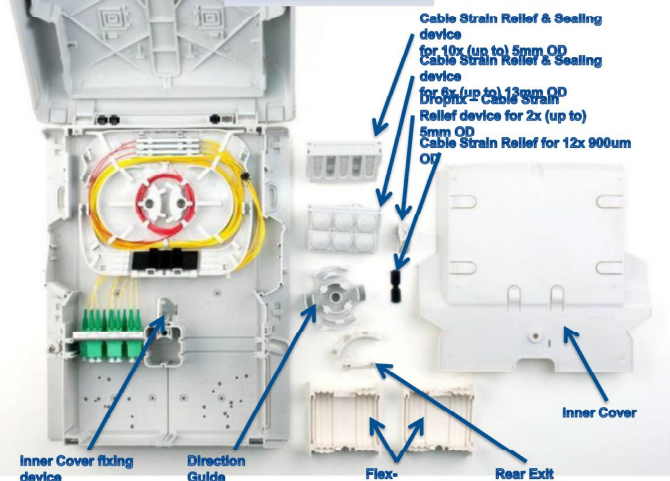
If capacity of 1st box is not sufficient, cascading through 2nd box

## Components

### eDB<sup>2</sup> Accessories



### eDB<sup>2</sup> Accessories



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eDB<sup>2</sup> Terminal - Technical Information / September 2020