Amphibox 2L Precon Underground Subscriber Node

Product Overview

The Amphibox 2L Precon – underground subscriber node is a high-resistance box capable of storing up to 16 fibre optic adaptors and splitters for faster and more secured cable repair, extension and plugging.

This underground subscriber node complies with IEC60529 IP68 and NF en 50411-2-10 standards, allowing it to be installed in aerial and underground environments. It is particularly compact (Volume <2 litres), discrete and can be installed in all types of manholes.

It is well-sealed with gel sealing technology. No accessory is required to ensure the watertightness of cables. The enclosure has 3 different sizes of input ports, allowing a wide variety of cables to be used. The larger ports can be used for distribution cables as feed-through or termination while the smaller ports can be used for patch cables. The distribution fibre input and storage area are separate and lockable to prevent degradation when patch cables are added progressively.

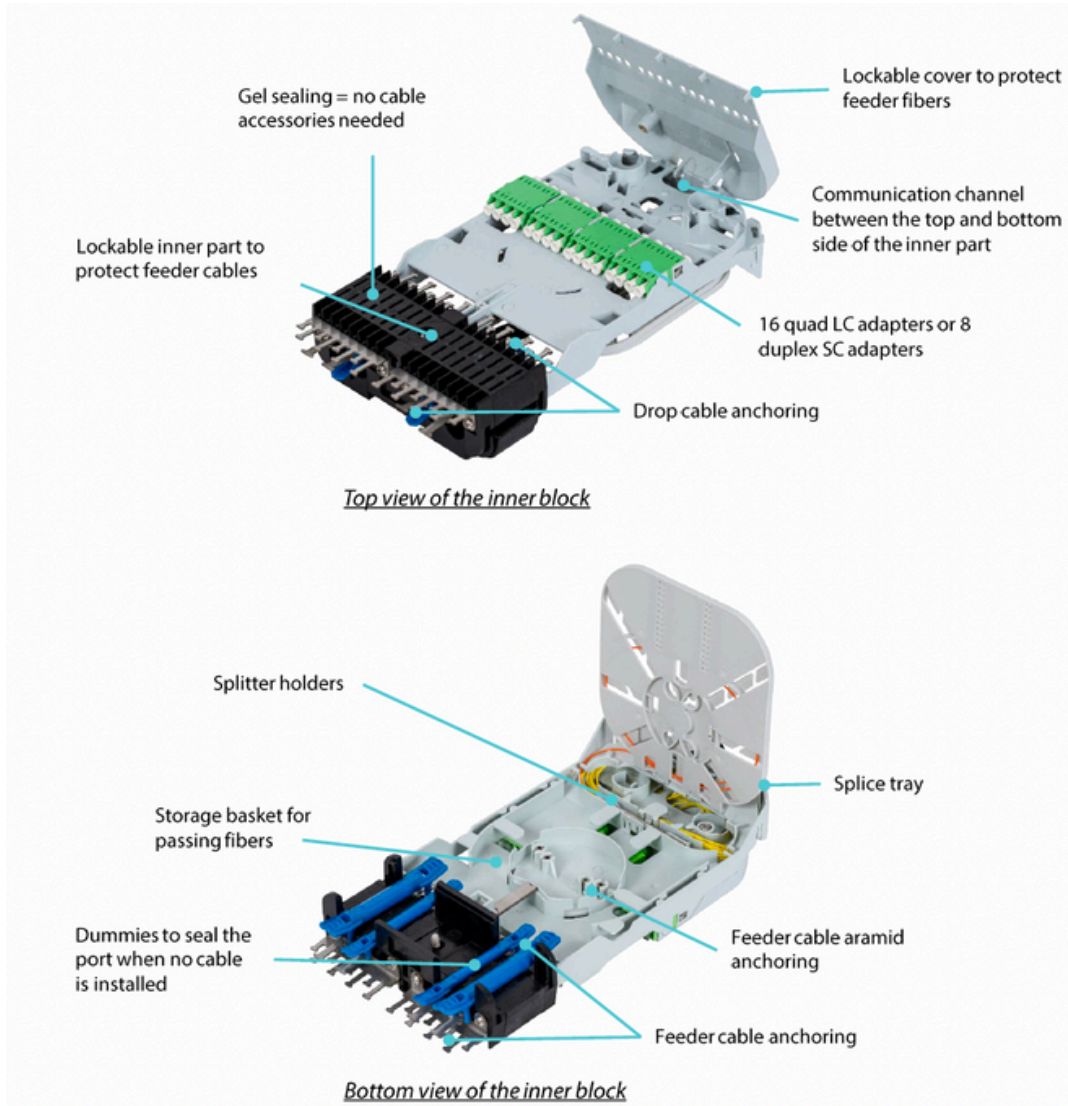Check out the product data sheet for more details.

Features

- Compact Box
- No sealing accessories required
- Separation of distribution and connection fibres
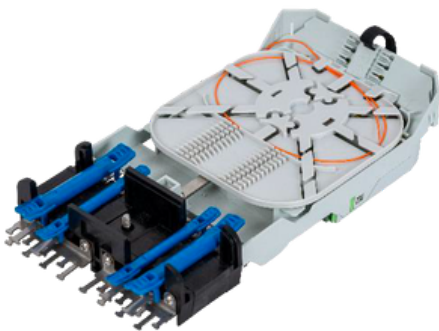- Compatible with all types of optical fibre
- Pre-terminated connections
- IP68

Overview

Dimensions: 263 x 140 x 60 mm

Gel sealing = no cable accessories needed

Lockable inner part to protect feeder cables

Lockable cover to protect feeder fibers

Communication channel between the top and bottom side of the inner part

16 quad LC adapters or 8 duplex SC adapters

Drop cable anchoring

Top view of the inner block

Splitter holders

Storage basket for passing fibers

Dummies to seal the port when no cable is installed

Splice tray

Feeder cable aramid anchoring

Feeder cable anchoring

Bottom view of the inner block

Splicing Capacity

Features of the trays	Splice tray performance
Max no. of splice trays	4
Compatible splice tray models	Amphibox 2L

Splitter Capacity

Splitter type	1:4 or 1:8 Bare input - Precon output
Splitter size	60 x 7 x 4mm
max number of splitter bodies	2

Input Ports

On the top side of the inner block	16 Input ports for cables Ø < 5 mm Anchoring to be made with two tie wraps on cables Ø <5 mm to respect retention specified in XP C 93-923-2-2
On the bottom side of the inner block	2 Input ports for cables Ø < 10 mm 2 Input ports for cables Ø < 12mm Anchoring to be made with two tie wraps on cables Ø <6 mm and with one metal clamp on cables 0 > 6 mm to respect retention specified in XP C 93-923-2-2

Specifications

Feature of the Box	Performance	Standard preference
Dimensions	263 x 140 x 60 mm	-
IP rating	IP68	NF EN 50411-2-10 IP rating P68 Under 1 m of wateforr 7 days - no water penetration inside the product
Impact	IK10	EN 61300-2-12
Material	PC Compound	-
UV Resistance	Compliant	DIN EN ISO 4892 3:method B, cycle n°5 (350h)
Compatible Fibre Type	G652D, G657A1, G657A2	Minimum curves of radius 30 mm
Restriction of unauthorized access	Thread for coded M4x19 screw	-

Product Configuration

Root content of the closure before configuration:

- 1 closure
- 4 metal clamps
- 1 adhesive foam strip

PART NAME CONSTRUCTION MODEL

AMPHI/2L - CO430 – ☐☐ - ☐☐ - PIG ☐☐ - L☐ - ☐   Ex: AMPHI/2L-CO430-12ANT-12LCA-PIG12DIN-L0-BK
[1] [2]   [3] [4]   [5] [6]   [9] [10]

// - SPLIT ☐☐ - L☐ - ☐   Ex: AMPHI/2L-CO430-24HS-4SCA-SPLIT2/4-L0-BK
[7] [8]   [9] [10]

[1] Number of splices (0, 12, 24, 36 or 48)

[2] Type of splice protectors
HS = Heatshrink
ANT = Crimp

[3] Number of connections (from 1 to 16)

[4] Adapter type
SCA = SC/APC 8° (max 8 connections)
LCA = LC/APC 8° (max 16 connections)
SCU = SC/UPC (max 8 connections)
LCU = LC/UPC (max 16 connections)

[5] Number of pigtails (0 or 12)

[6] Order for the pigtail colors
FT = France Telecom color code
DIN = DIN color code

[7] Number of splitters (from 0 to 2)

[8] Type of splitters
/4 = 1:4 splitter
/8 = 1:8 splitter

[9] Key lock type
0 = no lock

[10] Colour of the closure
BK = Black

Ordering Information

Part Number	Description	Unit packaging	unit per box	unit per pallet
AMPHI/2L	Amphibox 2L precon configured	1 pcs	20 pcs	240 pcs