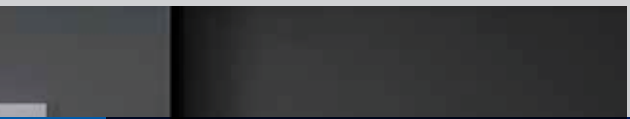
HellermannTyton

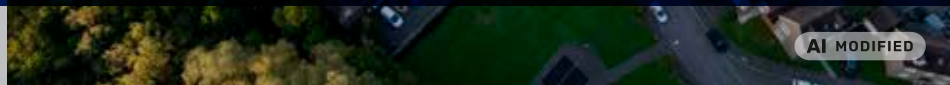
TELECOMS



Aerial Drop Cable (ADC)

Better Technology through Innovation

MADE TO CONNECT



AI MODIFIED

Building Entry and Internal Fibre

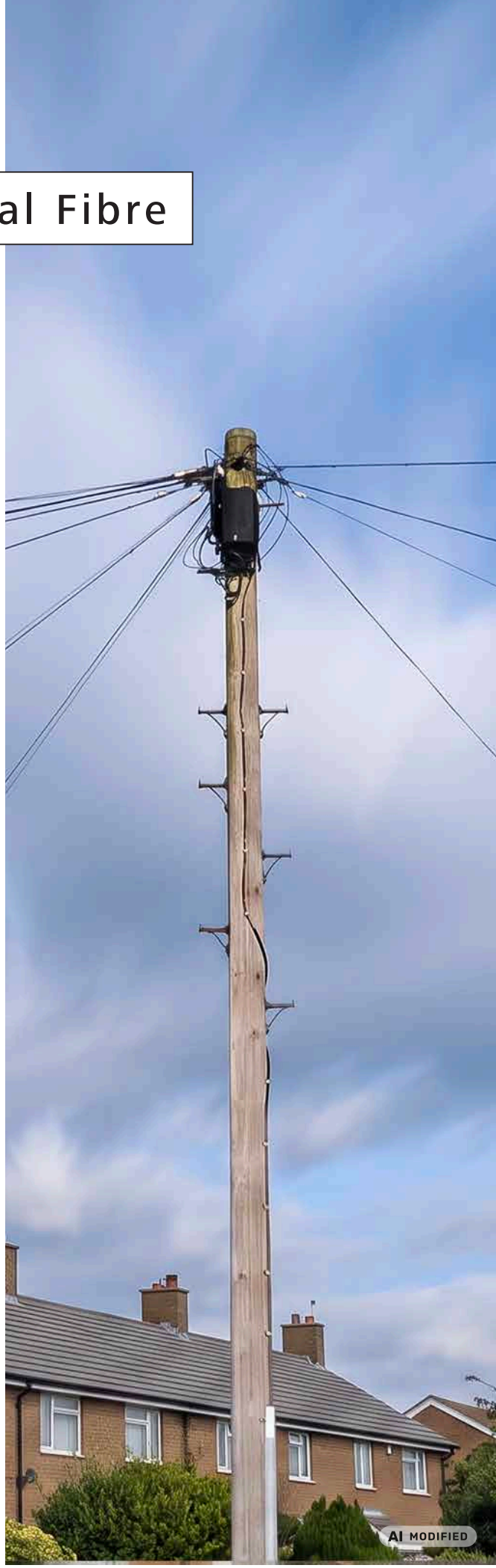
HellermannTyton are leaders in product innovation and development when it comes to home connections, fibre to the home and all last mile fibre applications.

By incorporating an Aerial Drop Cable (ADC) as the initial fibre feed into the home, we enable a flexible, efficient, and future-ready approach to fibre delivery.

With an extensive range of purpose designed and engineered products, we have a connectivity solution for every aspect of your fibre network. From the street to the house, aerial connectivity to the building and a strong range of MDU solutions for internal applications.

From building entry to internal fibre routing within the property, HellermannTyton have developed a number of products to give home owners and residents increased flexibility with the position of their broadband ONT and Router.

Our duct manufacturing facilities allow us to offer a wide selection of sizes and bundled configurations, delivering world class connectivity from point to point and providing our customers with a one-stop-shop for all their network requirements.



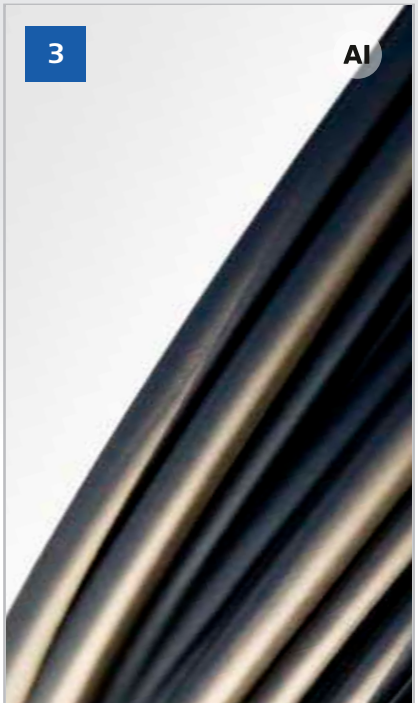
Key Features

Pre-connectorised Options

Available with pre-connectorised configurations to support faster, hassle-free installation and reduce time required on-site.

Connector Flexibility

Available with LC or SC connectors to suit network requirements, supporting compatibility across a range of installations.



UV Stable Construction

UV-stable construction supports long-term outdoor durability, helping maintain performance in exposed environments.

Fibre Connections, for Every Home...

HellermannTyton is an established leader in the design of solutions for efficient aerial fibre routing to single dwelling units (SDUs) within fibre network infrastructures.

Reliable Outdoor Performance

Designed for durability and environmental resilience, ensuring reliable performance in challenging outdoor conditions and overhead deployment environments.

Fast & Efficient Installation

Supports fast fibre delivery from the distribution network to the property, helping to reduce installation time while maintaining consistent performance.

Flexible Deployment Approach

Provides a flexible deployment method for fibre delivery where underground infrastructure is not available or practical, supporting a wide range of installation environments.

Minimal Ground Disruption

Supports installation with minimal ground disruption, reducing the need for excavation during deployment to the property.

Single Dwelling Units (SDU's)

SDUs are residential properties designed to accommodate a single household or family unit. Typically, they have direct access from the street without shared hallways or corridors and may be terraced, semi-detached, or detached homes. The owner or tenant is usually responsible for the maintenance of both the building and any associated outdoor space.

When delivering fibre to an SDU, installers may encounter several challenges, including:

- Access to overhead infrastructure and pole attachment points
- Property entry routing and fixing requirements
- Variations in building structure and attachment surfaces
- Clearance, span length, and safe working practices at height
- Customer expectations regarding cable routing and visibility
- Environmental factors such as weather exposure and mechanical loading

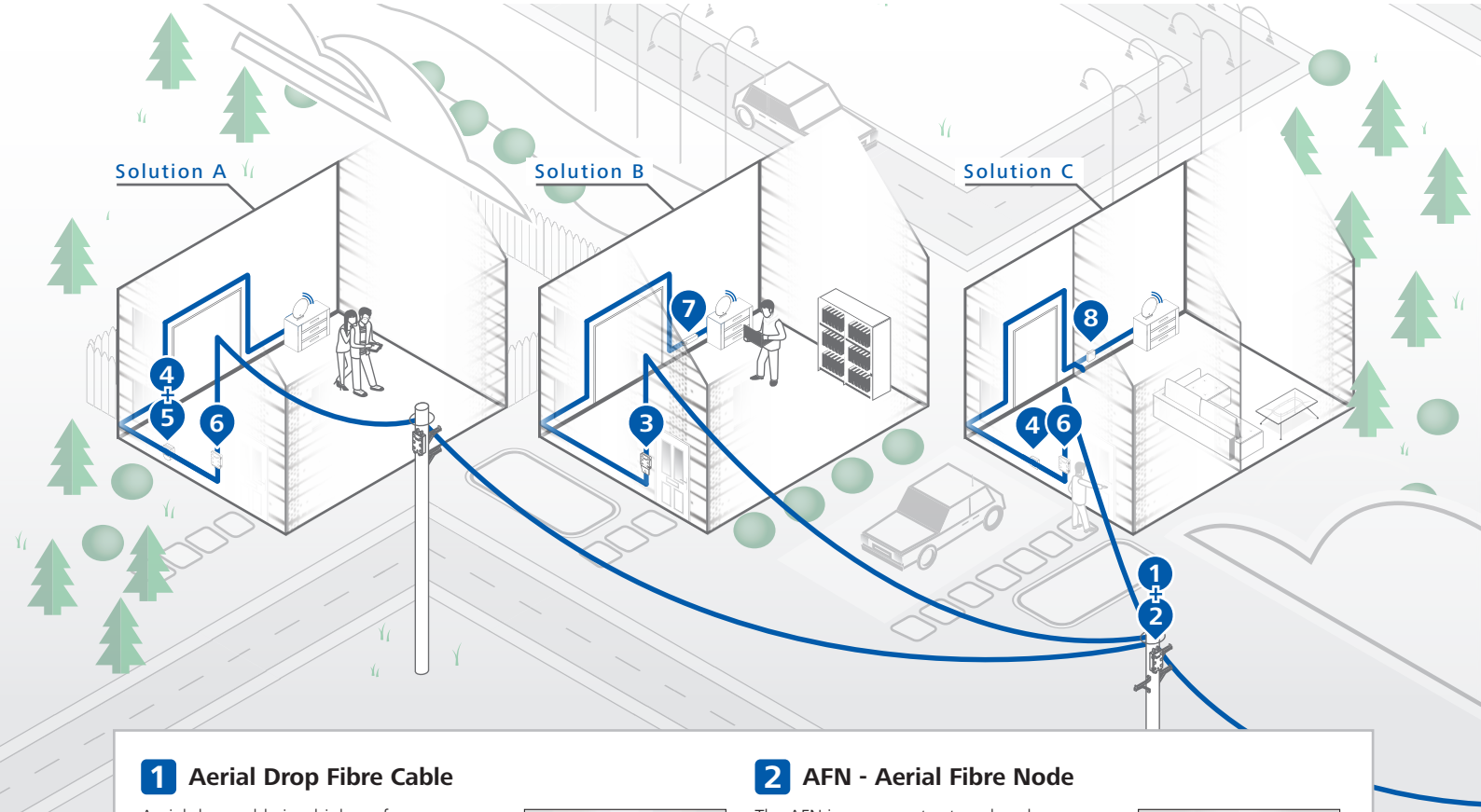
An effective method for delivering fibre in Single Dwelling Unit (SDU) environments is the use of an aerial drop cable as the connection from the distribution network to the property. Installed from a pole or overhead network directly to the premises, aerial deployment provides a straightforward and efficient solution where underground infrastructure is not available or practical.

This approach supports fast installation with minimal ground disruption, making it well suited to both urban and rural environments. Aerial drop cables are designed for durability and environmental resilience, ensuring reliable performance while enabling scalable network expansion and straightforward maintenance.

While every installation presents its own unique challenges, HellermannTyton offers a comprehensive range of products designed to provide ease, flexibility, and choice when installing fibre into and around the home.

This diagram showcases our Aerial and SDU products and their potential installation locations (numbered 1 to 8) within various configurations.

*Products and cables are not to scale.



1 Aerial Drop Fibre Cable

Aerial drop cable is a high-performance solution designed to support fast, reliable fibre delivery from the distribution network directly to the subscriber premises.

More information available on Page 6.

2 AFN - Aerial Fibre Node

The AFN is a compact external enclosure designed to provide flexible, scalable connectivity for last-mile FTTH deployments and support efficient fibre distribution.

More information available on Page 8.

3 CCWB - Connectorised Customer Wall Box

The CCWB is a compact, IP-rated Building Entry Point (BEP) that provides 15m of pre-installed fibre for flexible external/internal connections.

More information available on Page 10.

4 FWO - Fibre Wall Outlet

The FWO is a single gang socket size outlet. The outlet has cable entry positions at the base, rear and on each side.

More information available on Page 10.

5 FWO-EXT - Fibre Wall Outlet Extension Module

The FWO-EXT is a plug-in fibre broadband extension solution designed for use with the Fibre Wall Outlet (FWO) to provide greater in-home routing flexibility.

More information available on Page 11.

6 CWB - Customer Wall Box

The CWB is an SDU Building Entry Point (BEP) providing a fibre termination and demarcation point external to the connected property in a Fibre to the Home (FTTH) network.

More information available on Page 10.

7 Inline Adaptor Mount

The Inline Adaptor Mount range is designed to provide a secure, accessible remote connection point for SC simplex or LC duplex adaptors within the customer property.

More information available online.

8 FFO 2.0 - Faint Fibre Outlet 2.0

The FFO 2.0 is a compact and installer-friendly fibre broadband extension kit designed to streamline fibre routing within residential and small office environments.

More information available on Page 11.

Aerial Drop Fibre Cable

Fibre Delivery Solution

Our high-performance aerial fibre optic drop cable is purpose-built to simplify and accelerate FTTH connectivity for Single Dwelling Units (SDUs). Engineered for versatility and durability, it supports both overhead deployment and façade routing, making it an ideal choice for modern network rollouts.

Designed to span distances of up to 70 metres, this compact, lightweight cable offers excellent wind resistance thanks to its small diameter construction. For added flexibility, it can also be pulled through ducts over several hundred metres where needed, delivering seamless installation across varied network environments.

The robust Thermoplastic Polyurethane (TPU) outer sheath ensures outstanding mechanical protection and superior tensile strength, enabling long-lasting performance even in demanding outdoor conditions. The cable is also safe for installation below 11kV power lines, giving installers added confidence in urban and suburban deployments.

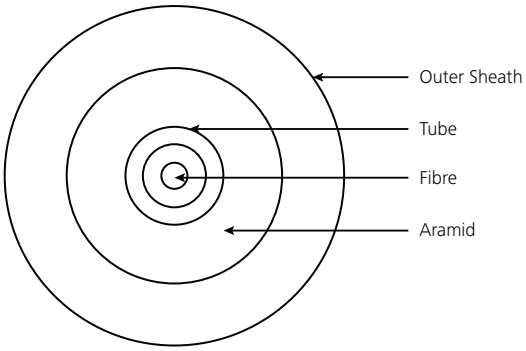
When paired with ADC-CLAMP-5/35, this aerial drop cable is fully PIA compliant, making it a dependable and compliant solution for access to Openreach infrastructure.

Aerial Drop Cable - Single Fibre.

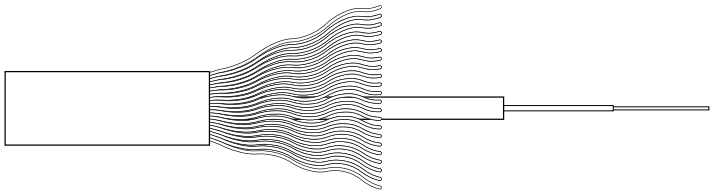
Key Features

- Pre-connectorised options for faster, hassle-free installation
- Available with LC or SC connectors to suit your network requirements
- Wide range of pre-terminated lengths for deployment flexibility
- UV-stable construction for enhanced outdoor durability
- Excellent mechanical strength with TPU sheath for demanding environments
- Low wind load design for improved aerial stability
- PIA compliant when used with ADC-CLAMP-5/35
- Fully compliant with IEC 60794 standards

Technical Diagram



Front view



Side view

Aerial Drop Cable Wedge Clamp

Fibre Optic Cable Clamp

Technical Description

An aerial fibre optic cable wedge clamp designed to securely anchor and support round cables at termination points where spans do not exceed 70m. The clamp is suitable for round cables ranging from 2.5mm to 5mm in diameter. The ADC-CLAMP-5/35 is approved for use within PIA networks.

The ADC-CLAMP-5/35 is manufactured from UV stable thermoplastic. The single piece clamp consists of a closed conical shaped body, a round wedge with integrated lanyard and opening bail. The ADC-CLAMP-5/35 is designed to fit directly on pole fittings, with open or closed eye or on pole hardware which has a 10mm minimum diameter.

Key Features

- Simple, fast and toolless installation
- Installs directly on pole hardware with a minimum 10mm diameter eye or pigtail type
- Effective cable grip by simply sliding the wedge
- Manual adjustment of cable sag by blocking the wedge backwards
- Maximum tension load (MTL) >1250N

Aerial Drop Cable Wedge Clamp.

Triangular Anchor Bracket

Bracket 22

The Triangular Anchor Bracket, commonly known as Bracket 22 (BT Bracket 22), is a robust and dependable solution for securing aerial drop cables in overhead telecommunications networks. Manufactured from high-quality galvanised steel, it delivers long-lasting, weather-resistant performance, making it ideal for both fibre and copper deployments.

Designed to work seamlessly with aerial drop cable clamps, this bracket provides a strong, secure anchoring point that ensures safe and stable cable routing across a wide range of installation environments.

Key Features

- The integrated anchor loop allows quick and secure attachment of aerial drop cable clamps
- The flat mounting plate with pre-drilled holes allows easy fixing to wooden poles or direct installation onto building façades using standard fixings
- Minimise cable movement and wind-related wear
- Prevent abrasion against brickwork, eaves, and poles
- Ideal for anchoring last mile drop cables to homes and commercial buildings, including fascia boards, eaves, and exterior walls
- Perfect for use on multi-pole routes where no existing mounting hardware is available
- Heavy-duty galvanised steel construction for corrosion resistance
- Quick and simple installation with standard tools
- Designed to complement aerial drop cable clamps
- Ensures secure cable management and protection
- Supplied in cost-effective packs of 100 for large-scale deployments
- Maintain cable integrity and long-term network reliability

Triangular Anchor Bracket (Bracket 22).

AFN – Aerial Fibre Node

External Fibre Enclosure

The AFN Aerial Fibre Node is a compact, high-performance external enclosure designed to streamline last-mile FTTx deployments. Built for versatility, it supports both Point-to-Point (P2P) and Point-to-Multi-Point (P2MP) network architectures, enabling flexible network design with the integration of connectorised PLC splitters, pigtails, and adaptors.

Available in two configurations – 24-drop and 32-drop versions – the AFN provides scalable connectivity to meet a wide range of deployment requirements, from smaller installations to higher-density network rollouts.

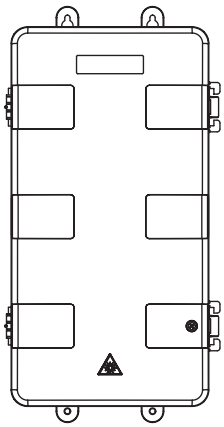
A user-friendly hinged tray design allows fast, clear access to internal fibres, making splicing, termination, and maintenance quick and efficient—helping reduce installation time and operational costs.

Key Features

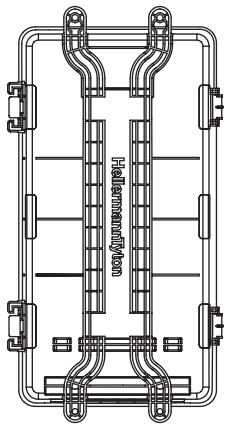
- Up to 32 customer connections for scalable deployment
- Dedicated port configuration with 4 inbound and up to 32 outbound connections
- Integrated fibre management, supporting up to 4m of 7mm stripped ultra-lightweight cable
- Capacity for up to 48 splices (3A or ANT)
- PLC splitter accommodation (60mm x 7mm x 4mm) for flexible network configurations
- Clear segregation of inbound fibre and drop connections for improved organisation and reliability
- IP55 rated for protection against dust and water ingress
- IK08 impact resistance for enhanced durability
- UV-stable enclosure for long-term outdoor performance
- Suitable for pole mounting or façade installation
- Dimensions: 342 x 177 x 90mm (H x W x D)
- Strong, lightweight construction for easy handling and installation

Top: AFN shown from front.
Bottom Left: AFN 32 Way showing fibre splice management tray.
Bottom Right: AFN 32 Way showing drop cable management tray.

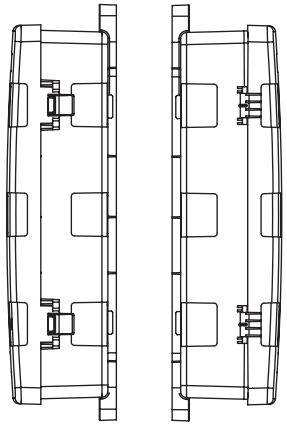
Technical Diagrams



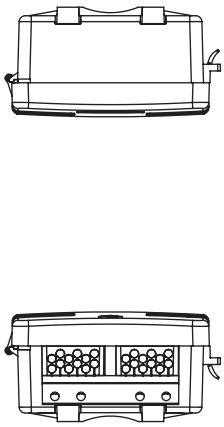
Front External View



Rear External View



Side Views



Base View

Dual Mounting Bracket

Dual Enclosure Solution

MB-AFN-DUAL-BRKT is purpose-built to support two MB-AFN-PWB/BK-400mm pole brackets, allowing for efficient management of multiple enclosures on a single pole. Its angled design optimises space while maintaining easy access for installation and maintenance.

Key Features

- Supports up to 2 x MB-AFN-PWB/BK-400mm brackets
- Angled pole installation for improved cable routing and accessibility
- Offset fixing points for fast, simple installation
- Durable powder-coated stainless steel construction
- Installer-friendly design for quick, secure deployment
- PIA compliant for pole mounting on Openreach infrastructure

Pole Mounting Bracket with MB-AFN-PWB/BK-400MM and AFN.

V Mounting Bracket

Dual Enclosure Solution

MB-AFN/FFE-V-BRKT is a lightweight V-shaped pole bracket is designed to accommodate up to two enclosures, supporting efficient and scalable aerial network deployments.

Key Features

- Capacity for 2 enclosures
- Integrated anchoring points for incoming and distribution cables
- Designed to stay within pole width for a neat, compliant installation
- Can be pre-loaded with enclosures for faster deployment
- Strong, lightweight, and weather-resistant
- Installer-friendly design for quick, secure deployment
- PIA compliant for pole mounting on Openreach infrastructure

Pole Mounting Bracket with AFN and FFE.

Pole/Wall/Facade Bracket

Versatile Mounting Solution

MB-AFN-PWB/BK-400MM provides a stable platform for AFN installation, with integrated features to support both cable anchoring and fibre management.

Key Features

- Designed for secure AFN mounting on poles
- Suitable for use with 32 and 24 drop AFN
- Provides reliable anchoring for ultra-lightweight aerial cable
- Built from powder-coated stainless steel for long-lasting durability
- Installer-friendly design for quick, secure deployment
- Efficient cable management and routing
- PIA compliant for pole mounting on Openreach infrastructure
- Maximum storage capacity 10m of ultra-lightweight cable

Pole Mounting Bracket with AFN.

CWB - Customer Wall Box

Standard (CWB) and Connectorised (CCWB)

The Customer Wall Box (CWB) is a high-performance, weather-resistant enclosure designed to serve as the Building Entry Point (BEP) for your Fibre to the Home (FTTH) network. Offering a reliable fibre termination and demarcation point located externally to the connected premise, the CCWB/CWB ensures seamless network connectivity with superior durability and security.

Colours available:

Key Features

- External fibre demarcation point for structured network handover
- Supports flexible ONT positioning within the property
- Up to 2 customer connections via LC Duplex or SC Simplex adaptors
- Integrated fibre storage ensuring controlled bend radius
- Capacity for up to 30m of 1.2mm fibre storage
- CCWB variant supports pre-terminated internal fibre for faster installation
- Cable options (CCWB):
  - Internal B2ca-rated cable
  - Indoor/outdoor B2ca easy-strip cable
- IP54 / IK07 rated protection against environmental exposure
- UV-stable polycarbonate construction for durability
- Multiple cable entry points (up to 8, supporting up to 8mm diameter)
- Mechanical cable retention and strain relief
- Tamper-resistant locking mechanism
- Removable adaptor plate for simplified installation
- Splice holder compatible with 3A and ANT splice protectors

Top: CWB shown with LC/APC DX adaptor.
Bottom Left: CWB shown with 2 LC/APC DX adaptors.
Bottom Right: CWB shown with cover.

FWO - Fibre Wall Outlet

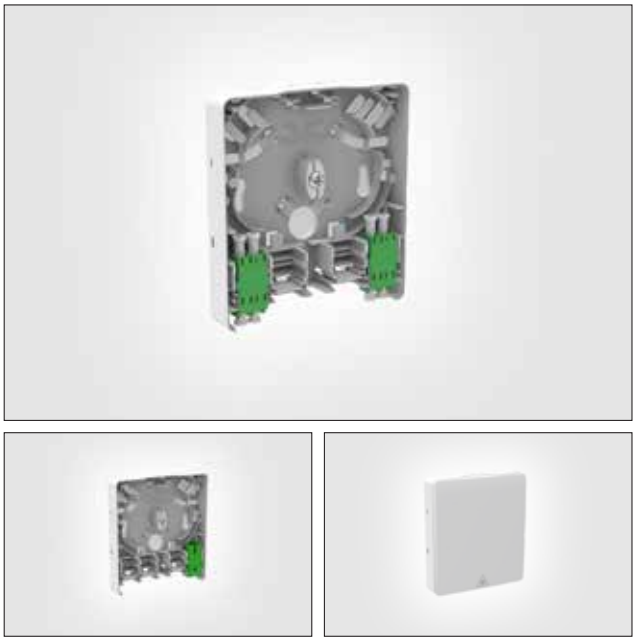
Standard and Connectorised

The Fibre Wall Outlet (FWO) is a compact internal termination solution designed to provide reliable and organised fibre connectivity within residential and commercial premises. Its low-profile design and flexible entry options enable discreet installation while maintaining effective fibre management and protection.

Available in both standard and connectorised variants, the FWO supports a range of installation methods, allowing installers to choose between traditional splicing or plug-and-play deployment.

Key Features

- Single gang format for discreet indoor installation
- Multiple cable entry points (front, rear, and sides) for installation flexibility
- Available in standard and pre-connectorised variants
- Supports up to 4 fibres with SC simplex or LC duplex adaptors
- Pre-connectorised variants support expanded connection capacity
- Integrated fibre management maintaining ≥30mm bend radius
- Internal organisation supporting up to 4 x 3A splices
- Built-in strain relief with cable tie anchor points
- Adhesive or screw mounting options
- Tamper-resistant latching design
- ABS construction with UL-94 V0 flame rating
- Compatible with G657.A1 fibre
- IP20 / IK07 rated for indoor use



Top: FWO shown with LC/APC DX connection.
Bottom Left: FWO shown SC/APC SX with pigtails.
Bottom Right: FWO shown empty with cover.

FWO-EXT Module – Fibre Extension Module

Internal Fibre Extension Solution

The FWO-EXT Module is a plug-on extension solution designed to expand the flexibility of the standard Fibre Wall Outlet. It enables fibre extension within the premises, allowing improved router placement without the need for additional splicing.

The module integrates directly with the FWO, supporting efficient installation while maintaining fibre protection and routing control.

Key Features

- Clips directly onto existing FWO for quick installation
- Provides up to 15m of pre-terminated fibre extension
- Supplied with 1.5mm G657.A2 B2Ca fibre cable
- Factory terminated with LC or SC connectors
- Connector plate doubles as fibre spool winding key
- Entry/exit cover protects fibre connections
- Includes routing accessories for controlled cable management
- Supports minimum bend radius compliance
- Constructed from Polycarbonate + ABS (V0 rated)

Top: FWO-EXT loaded with SC/APC SX connectors.
Bottom Left: FWO-EXT shown fitted to FWO.
Bottom Right: FWO-EXT shown with lid on.

FFO 2.0 – Faint Fibre Outlet 2.0

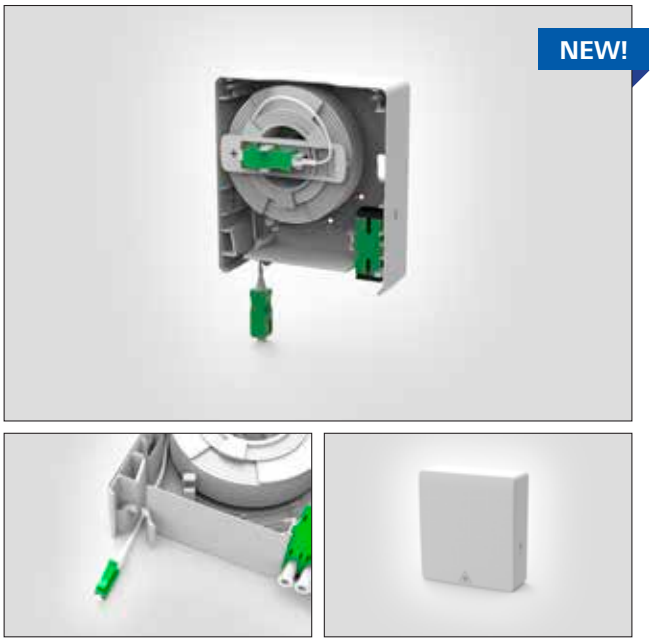
Broadband Extension Kit

The FFO 2.0 is designed for FTTH installations where the router is positioned away from the external termination point. It enables internal fibre extension without requiring additional splicing or termination.

Suitable for residential and small office environments, it supports consistent cable routing while maintaining performance and fibre protection. Its compact design allows for unobtrusive installation.

Key Features

- Supplied with 15m of 1.5mm G657.A2 pre-terminated fibre
- Available with LC or SC connectors
- Supports flexible router placement within the property
- Integrated connector plate with fibre spool winding function
- Tamper-resistant latches and protective overhang
- Includes routing kit to maintain minimum bend radius
- Single gang format for low-profile installation
- IP54 rated for dust and splash resistance
- Constructed from Polycarbonate + ABS (V0 flame-retardant)
- Adjustable keyhole mounting with standard fixing kit



Top: FFO 2.0 loaded with with SC/APC SX adaptor..
Bottom Left: FFO 2.0 loaded with LC/APC DX adaptor.
Bottom Right: FFO 2.0 shown with lid on.

Your local partner, wherever you are

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