

Connectorised Closures

Better Technology through Innovation

MADE TO CONNECT

Why Go Connectorised?

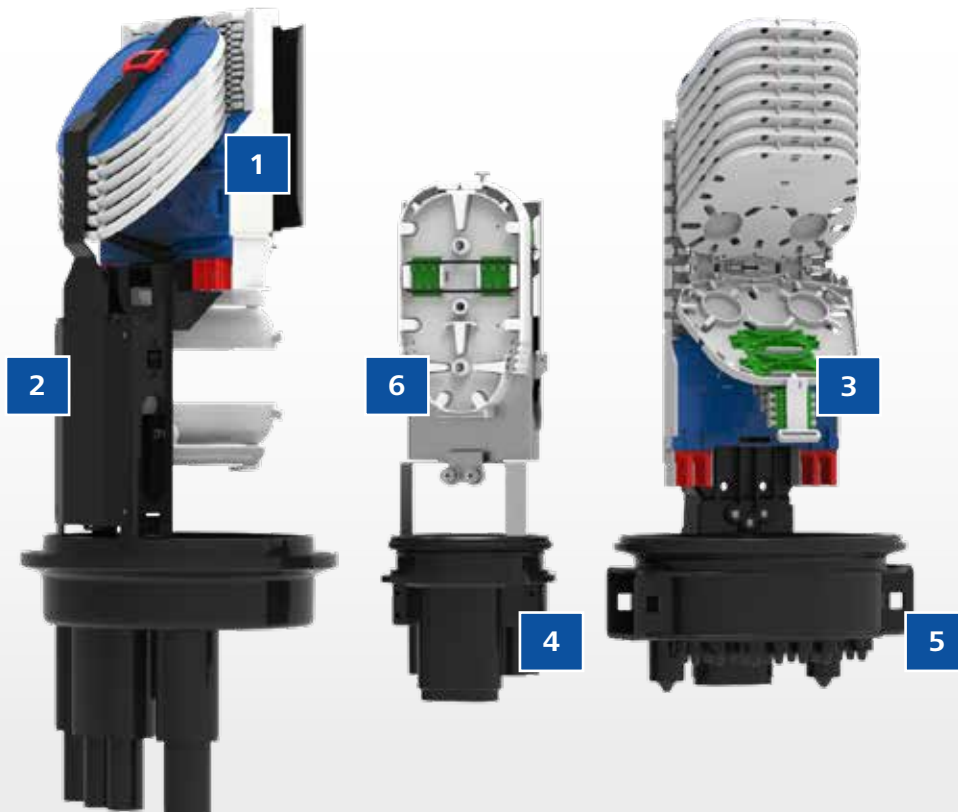
HellermannTyton's connectorised closures are designed to simplify fibre network deployment by enabling fast, reliable fibre connectivity using pre-configured fibre pigtails or field-terminated connectors.

Each closure can be configured with optional splitter trays to support passive optical network architectures. With a high drop port capacity and compact design options, these closures are particularly well-suited for FTTH distribution points and last mile applications.

The closures feature a modular tray system, allowing for scalable fibre management. Covers are available in multiple lengths to accommodate varying tray counts and can be fitted with pressure valves where required. Environmental sealing is achieved through robust O-ring systems and quick-release clamps, while cable entry is managed via mechanical seals or heatshrink options, depending on the port type.

Customisation options include tray layout, connector positioning, and pre-installation of pigtails, adaptors, and splitters - offering a tailored solution to meet specific deployment needs.





Key Features

1

Protective Metal Shield

Provides robust shielding for fibre connectors, eliminating the risk of damage to customer connections.

2

Loop Storage Basket

Integrated basket allows for efficient loop-through applications and excess fibre storage.

3

Splitter Accomodation

Closures can house pre-installed PLC splitters, enabling passive optical network configurations tailored to deployment needs.

4

Port Density

Available in multiple sizes to suit different network demands, offering configurations of 16, 27, or 59 ports.

5

Flexible Mounting

Integrated mounting points for pole, wall, or chamber installations using the Mobra or Pole/Wall Mounting Brackets.

6

Connector Plate

Choose from various adaptor configurations, including LC and SC options, ensuring flexibility for different customer requirements.

Network Topology

HellermannTyton is an established leader in the design of connectorised Point-to-Point (P2P) and Point-to-Multipoint (P2MP) solutions for fibre network infrastructures.



Faster Deployment

Pre-installed connectors, PLC splitters and pigtails reduce installation times significantly. This is ideal for large scale projects or where deadlines are tight.



Reduced Skilled Labour Cost

The plug-and-play functionality of the closures reduces the need for specialised splicing expertise and reduces the risk of errors compared to in-field splicing.



Improved Network Reliability

Factory terminated connectors ensure consistent quality, reducing the risk of errors compared to in-field splicing.



Easier Maintenance and Upgrades

Connectorised systems allow for quick disconnection and reconnection of circuits whilst reducing the risk of disturbing other fibres and simplifies troubleshooting and future upgrades to the infrastructure.

Point-to-Point (P2P) or Point-to-Multipoint (P2MP)?

Both architectures offer unique advantages - selecting the right one ensures your network is optimized for performance, cost, and future growth. Choosing the right fibre architecture depends on your network goals:

Point-to-Point (P2P)

Ideal for delivering dedicated bandwidth and maximum performance to each user. Perfect for premium services, business connections, and networks requiring high reliability and security.

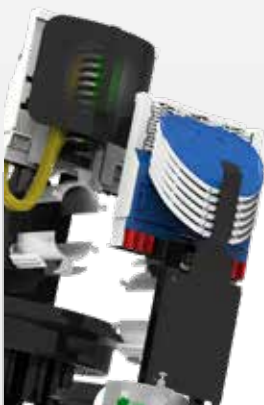
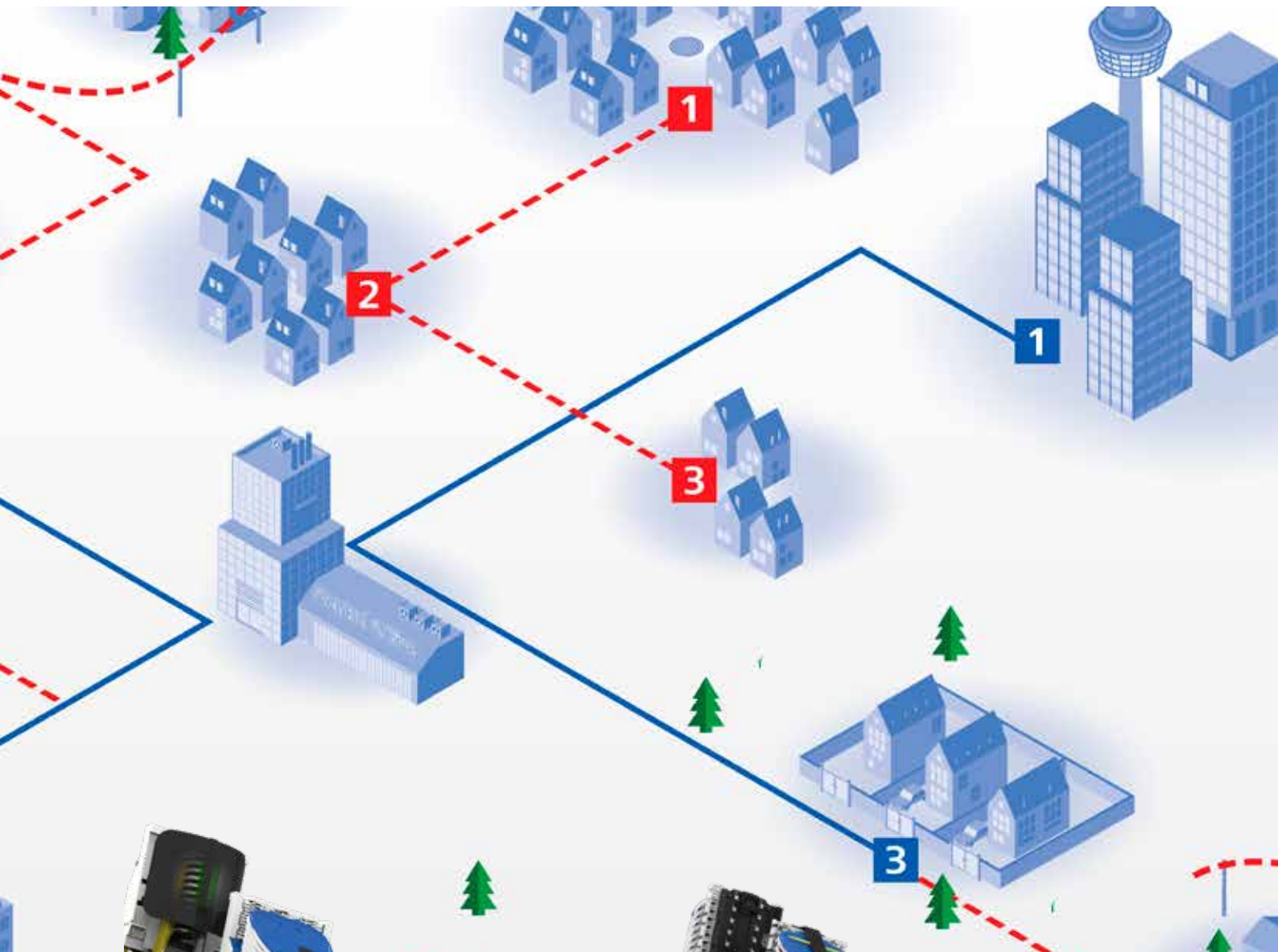
- Dedicated Bandwidth – Each connection has its own fibre, ensuring maximum speed and performance.
- High Reliability – Direct links reduce points of failure, delivering consistent connectivity.
- Future-Proof – Supports easy upgrades to higher bandwidth without major redesigns.
- Simplified Troubleshooting – Clear, direct paths make fault isolation and maintenance faster.

Point-to-Multipoint (P2MP)

Designed for cost efficiency and high-density deployments, P2MP enables multiple users to share a single fibre path. It's the preferred choice for residential broadband and areas where scalability and space savings matter.

- Cost Efficiency – Shared fibre paths reduce material and installation costs.
- High-Density Areas – Ideal for delivering broadband to multiple premises from a single distribution point.
- Simplified Network Design – Fewer fibres and components streamline planning and deployment.
- Scalable Architecture – Easily add new connections without major infrastructure changes.

— Main Fibre Route ■ P2P Closure - - - Branch to P2MP Closure ■ P2MP Closure



1 FDNIR 59 Port

The FDNIR 59 Port Closure is designed to serve as a critical link between the feeding network and the home connection distribution point, especially in high-density areas.



2 CFNIRS 27 Port

The CFNIRS 27 Port Closure is engineered for medium-density areas, providing a reliable connection between the feeding network and the home distribution point.



3 FRBU 16 Port

The FRBU 16 Port Closure is designed for low-density or rural areas, providing a dependable link between the feeding network and the home connection distribution point.



Learn more about Connectorised Closures

Our fibre connectivity solutions are compatible with almost any fibre network design. If you can't find the exact product to meet your needs, don't worry our extensive range will have the right solution for you.

Scan for more applications online.



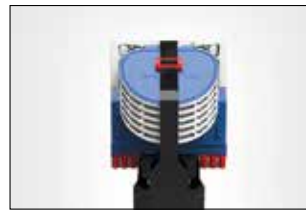
FDN-IR - Fibre Distribution Node

59 Port - Integrated Routing

The FDN-IR connectorised closures are available configured with splice trays, a selection of fibre connector options and pre-connectorised splitters. This allows for the quick connection or disconnection of circuits using pre-configured fibre pigtails or field terminated connectors used in a SDU network.

Key Features

- 48 LC/APC Drops
- Up to 8 x 1:8 Bare End to LC/APC PON Splitters
- Maximum 120 fibre splice capacity when using SE-R tray
- 58 round ports and 1 oval port
- Positive fibre management to ensure consistent 30mm minimum fibre bend radii throughout
- Fibre storage basket for loop through applications
- Bi-directional fibre routing
- Cablelok compatible for all port sizes
- Quick release cover
- Optional pressure release valve



Top: FDN IR AB-Length Connectorised Closure.
Bottom Left: FDN IR AB-Length Connectorised Closure (front view).

Bottom Right: FDN IR AB-Length Connectorised Closure with lid.



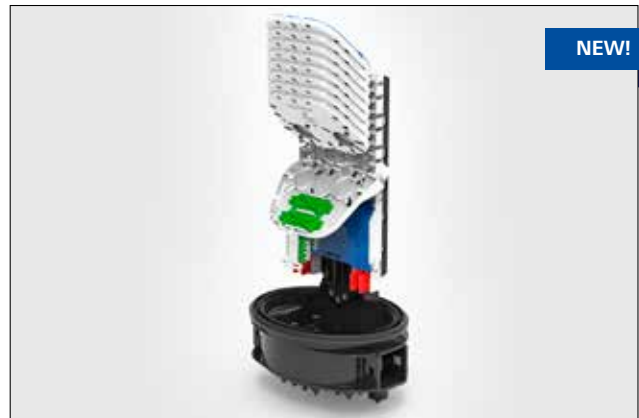
CFN-IRS - Compact Fibre Node

27 Port - Integrated Routing

The CFN fibre splice closure range offers a closure for a wide range of FTTx applications for both P2P and P2MP topologies.

Key Features

- Maximum 24 LC/APC Connections
- Maximum 196 fibre splice capacity
- 26 round ports and 1 oval port
- Foam Entry Block
- Positive fibre management to ensure consistent 15mm bend radius throughout
- Fibre storage basket for loop through applications
- Bi-directional fibre routing
- Supplied with 8 SE-IR 3A Splice Trays
- Maximum 24 splices per tray (double stacked)
- Additional off tray splitter accommodation
- Cablelok compatible for all port sizes
- Quick release cover
- Optional pressure release valve



Top: CFN M-Length with 8 SE splice trays and 1 LC Connectorised Tray.

Bottom Left: View of 27 Port Base.

Bottom Right: CFN 27 Port M-Length Closure with lid.





FRBU - Fibre Residential and Business Unit

16 Port

The FRBU is a smaller tubed connectorised closure, available configured with splice trays, a selection of fibre connector options and pre-connectorised splitters. This allows for the quick connection or disconnection of circuits using pre-configured fibre pigtails or field terminated connectors used in a SDU network.

Key Features

- 16 LC/APC Connections
- Maximum splice capacity 38 3A (double stacked)
- 16 round ports and 1 oval port
- Fibre storage basket for mid-span applications
- 2 x Hellapon Small trays
- Positive fibre management to ensure consistent 30mm bend radius throughout
- Cablelok compatible for all port sizes



Accessories

MOBRA Mounting Bracket

FDN, CFN & FRBU

A range of mounting bracket kits are available for use with the HellermannTyton dome closures. The kits are designed to allow closures to be mounted in a pit using a Mobra Pit Arm or onto a Wall or Pole.

The mounting bracket is attached to the base allowing the cover to be removed and the closure to be worked on whilst in situ.



Mobra Bracket with FDN and Pit Arm.



Mobra Bracket for FDN.

Pole/Wall Mounting Bracket

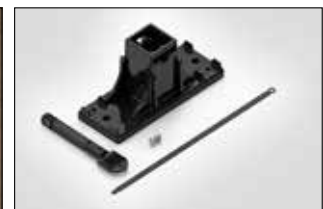
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CFN mounted to a pole.



CFN Wall / Pole Mounting Bracket.

Replacement Splitters

P2MP Closures

A full range of replacement splitters is available for all HellermannTyton connectorised closures.

Contact HellermannTyton Sales for further information.




Tray with PLC Splitters.



Tray with PLC Splitters.


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