

## Customer Lead-in Unit (FTTh version)

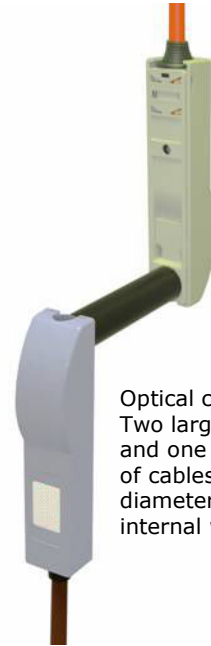
**Prysmian Part Numbers: See below**



Internal single tube cable installation. Two small internal units for transition of up to 5mm tube through internal walls. Sold individually so two parts to be ordered.



External to Internal single tube cable installation. One large external unit and one small internal unit for transition of up to a 5mm tube from an external to internal wall. The external unit houses gas block and cable diameter up to 13mm.



Optical cable installation. Two large units one external and one internal for transition of cables of up to 13mm in diameter from external to internal wall.

**Note.** The conduit shown is not supplied but is available as a separate item if required.

The Customer Lead In unit (CLI) is designed for use in residential and small business premises to manage the entry of cables into buildings, or through internal building walls. The unit can be used for a single blown tube cable entry or a single optical cable entry up to a diameter of 13mm.

## Features and Benefits

- Ergonomic design.
- All fibres are positively managed to maintain a 30mm minimum bend radius.
- Prevents the accidental damage of optical cables during installation through walls, and therefore eliminates return to site costs due to fibre breaks / macro bending.
- Transition point between external grade tubing to Internal low smoke tubing. Also can be used for transition between internal walls.
- Gas / Water block facility for a single tube cable.
- Removable cover for easy access.
- Internal unit manufactured from fire resistant UL94-V0 rated material.
- External unit rated to IP68 when fully resin sealed.
- A 25mm diameter conduit is available as a separate item for applications where further protection is required around the cable elements, when they are passed through the wall.

## Kit Contents

- XBFSC00262 - 1 x Internal CLI unit
- XBFSC00092 - 1 x External and 1 x Internal unit
- XBFSC00095 - 1 x External and 1 x Internal unit

## Additional Items

- 25mm Tube
- Gas Block connector
- Sealing Resin
- Funnel Kit

## Part Numbers

- **XBFSC00262** - Internal tube installation
- **XBFSC00092** - External to Internal tube installation
- **XBFSC00095** - Optical Cables (up to 13mm OD)

## Technical Data

- Number of cable ports: 1
- Maximum cable diameter (mm): 13mm
- Maximum Capacity: 1 Tube (5mm Dia)
- Maximum no. of customer feeds: 1
- Required space envelope (mm): Internal Unit (L) 65 x (W) 26 max x (D) 15 - **(1 Tube Cable Version)**  
Internal Unit (L) 180 x (W) 36 x (D) 36 - **(13mm cable Version)**  
External Unit (L) 180 x (W) 36 x (D) 36
- Operating temperature: -20°C to + 50°C (5 to 95% RH)
- IP Rating: IP68 when resin sealed
- Material Internal Unit:-
  - Cover: PC ABS
  - Base: PC ABS
- Material External Unit:-
  - Cover: FR ABS
  - Base: FR ABS
- Testing:-
  - Optical: Tested 1310nm,1550nm and 1625nm
  - Shock: IEC 60068-2-27: 1987

## Logistics

- Packing Dimensions (mm): (l) 250 x (w) 100 x (d) 100
- Packed Weight (kg): 0.5
- Net weight (kg): 0.25

## Additional Items

### 4F Compact Termination Box

Used to terminate up to 4 fibres using connectorised pigtails



**Internal Unit can attach to 4f Termination Box (as shown)**

***Prysmian Part No. – See Data Sheet WM001***

### Gas Block Connector

Used for gas sealing a populated Blown Fibre tube within the Customer Lead In Unit. The connector simply push fits over the tube providing a gas tight seal for tubes (unpopulated) and tubes with installed Blown Fibre bundle (populated). The device allows fibre to be 'blown through' into the customer premises. A sealing device is activated externally to seal the tube/bundle.



***Prysmian Part No. – XBFSC00077 (pack of 10)***

### Sealing Resin

Used to provide a water and gas block at the cable entry by filling the box with resin. The resin pack fits into a standard single tube sealant gun (not supplied). One pack contains sufficient resin to seal in excess of 2 Lead In Units, and is supplied with 2 application nozzles. The resin is re-usable such that the units can be sealed on different days.



***Prysmian Part No. – XKTSC00094***

### Conduit

A 0.5 metre length of 25mm diameter conduit that can be used to further protect the cable elements as they are passed through the wall. The



***Prysmian Part No. – XCPSC00670***

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