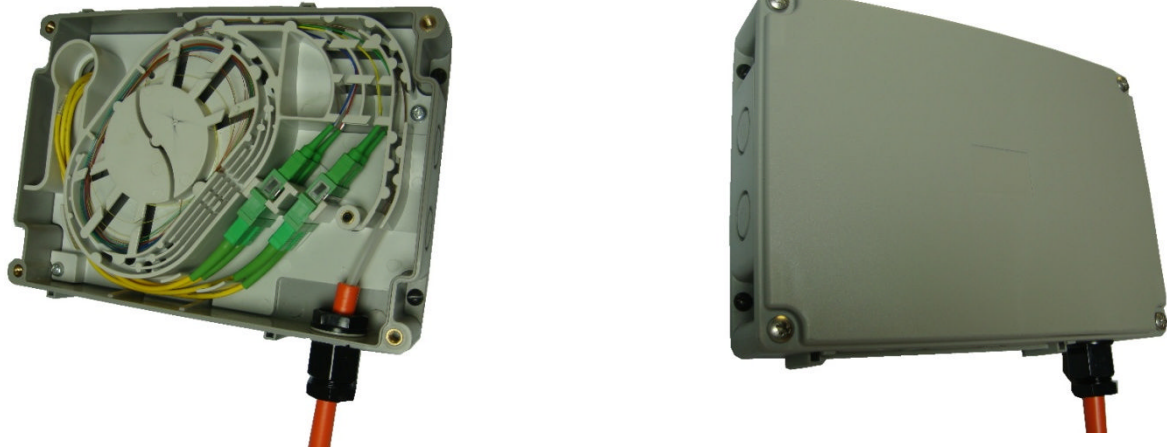# External Customer Splice Box

**Prysmian Part Numbers:** *See Table on page 2*



The External Customer Splice Box is designed for use on the external wall of residential or small business premises. The unit houses a single splice tray and allows fibre from externally fed cables (Blown Fibre or standard cable) to be spliced to pigtails for connection to adapters. Patch-cords are routed through the external wall fabric into the premises via a rear exit port. The unit can also be used as a transition point between internal and external cable (or ruggedised pigtails).

## Features and Benefits

- Compact wall mounted unit typically used for residential and small business premises.

- Removable cover fitted with re-enterable seal. Water ingress protection to IP55.

- Tamperproof cover security screws available as an option.

- Unit manufactured from UV resistant material.

- Standard kit supplied complete with all components necessary to splice an external cable to four pigtails. For applications where 12 fibres are to be spliced (external to internal cable), extra splice protectors will be required.

- Rear cable entry port allows pigtails or patchcords to enter the customer premises, protected by 25mm diameter conduit. An internal Customer Lead-In Unit (CLI) is supplied to manage the bend radius of the pigtails or cable at the inside wall, refer to optional items.

- All fibres are positively managed to a 30mm minimum bend radius.

- Cable up to 13mm in diameter can be accommodated with a cable gland. (diameters of up to 18mm can be accommodated using a cable port adaptor).

- Cable interstices can be sealed against water/gas ingress at the entry port if required using a quick set resin (Optional items – Sealing Resin).

- Compatible with Blown Fibre products. Note: for certain applications where external Blown Fibre tubing is terminated, a Gas Seal connector (not supplied) will be required to seal the tube. (see additional items).

### Kit Contents

The External Customer Splice Box is supplied with one splice tray, wall fixings, conduit, cable gland, splice protectors, internal lead in unit for patch cords, instructions and all of the necessary accessories for a complete installation. Pigtails and adapters can also be supplied if required. (Refer to part numbers on the following page).

**Note:** The box can be supplied to accommodate either Heat Shrink or Mechanical Crimp splice protectors.

### Additional Items Required

- None

### Additional Items Optional

- Splice Protectors
- Security Screw Kit
- Sealing Resin
- Pigtails and Patchcords

# Technical Data

- Number of Splice Trays:    1
- Maximum Fibre Capacity:    12
- Maximum Cable Diameter (mm):    18
- IP Rating:    55
- Required space envelope (mm):    (w) 220 x (h) 150 x (d) 50.
- Operating temperature:    -20$^o$C to + 50$^o$C (5 to 95% RH)
- Material:-
    - External Box    FR ABS Dark Grey RAL 7030
    - Splice tray:    FR ABS Light Grey RAL 7035
- Testing:-
    - Optical:    Tested 1310nm,1550nm and 1625nm
    - Dry heat:    BS EN 60068-2-2 Test Bb
    - Damp heat:    IEC 60068-2-3: 1969
    - Change of temperature:    IEC 60068-2-14: 1984
    - Vibration:    IEC 60068-2-6: 1995
    - Shock:    IEC 60068-2-27: 1987

# Logistics

- Packing Dimensions (mm):    (w) 230 x (h) 160 x (d) 60
- Packed Weight (kg):    0.55
- Net weight (kg):    0.50

# Part Numbers

| | Part Number | |
| --- | --- | --- |
| **Connector Type** | **Heat Shrink Splice Protector** | **Mechanical Crimp Splice Protector** |
| | | |
| Supplied with no pigtails and adapters | XCPSC00282 | XCPSC00491 |
| | | |
| 1 x SC/UPC pigtail and adapter | XCPSC00283 | XCPSC00492 |
| 1 x SC/APC pigtail and adapter | XCPSC00284 | XCPSC00493 |
| 2 x SC/UPC pigtail and adapter | XCPSC00285 | XCPSC00494 |
| 2 x SC/APC pigtail and adapter | XCPSC00286 | XCPSC00495 |
| 3 x SC/UPC pigtail and adapter | XCPSC00287 | XCPSC00496 |
| 3 x SC/APC pigtail and adapter | XCPSC00288 | XCPSC00497 |
| 4 x SC/UPC pigtail and adapter | XCPSC00289 | XCPSC00498 |
| 4 x SC/APC pigtail and adapter | XCPSC00290 | XCPSC00499 |

**Note**: other connector types are available on request.  Contact the Prysmian sales office.

# Additional Items Optional

## Splice Protectors

Splice protectors are used to protect the fibre splice. They are 2.4mm in diameter and 45mm in length.  Only needed for applications where more than 4 splices are required.
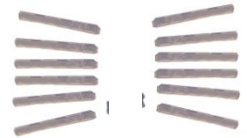
*Prysmian Part No. - XPESC00031 (pack of 50)*

## Crimp Splice Protectors

Crimp Splice Protectors are used to protect the fibre splice.  They are 1.3mm wide x 3.2mm high x 30mm long.

*Prysmian Part No. – XKTSC00079 (pack of 12)*
*XKTSC00078 (pack of 50)*

## Sealing Resin

Used to provide a water and gas block at the cable entry.  The resin pack fits into a standard single tube sealant gun (not supplied). One pack contains sufficient resin to seal in excess of 10 Splice Boxes, 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*

## Security Screw Kit

Provides secure, restricted access to prevent unauthorised entry.  A special tool is required to gain access to the box.

*Prysmian Part No. – XAGSC00476 Security Screw*
*XAGSC00477 Security Tool*

Please contact your local sales office listed on **www.prysmiangroup.com**