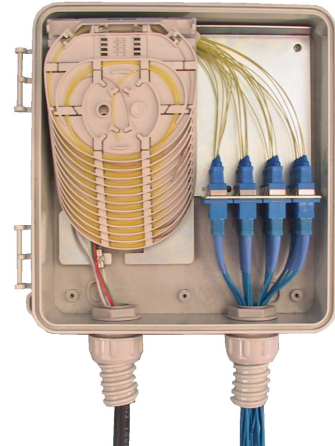# 24f Internal/External Termination Box

**Prysmian Part Numbers:** *See page 3*





The 24f Internal / External Termination Box allows the connection of up to 24 fibres onto an adapter panel which is secured within the lockable wall box.  The unit is supplied with 12 splice trays and 24 pigtails and adapters.  A variety of connector types can be accommodated (SC, FC, ST, LC and E2000).   Each splice tray accommodates 2 splices and pigtails for customer segregation, and the hinged trays enable easy access to the adapter panel.  The box is fitted with a gasket to achieve an IP rating of 55, which makes it suitable for both internal and external use.

## Features and Benefits

• Provides the termination of an optical cable of up to 24 fibres onto an adapter panel.  SC, FC, LC, E2000 and ST connectors can be accommodated.

• Supplied with 12 single circuit splice trays.  The splice trays hinge upwards to provide access to the adapter panel.  The box can be supplied with splice trays for either heat shrink or crimp splice protectors.

• Suitable for both internal and external use.  The box is rated to IP55.

• The box has two cable entry ports and one exit port for up to 24 patchcords or cables.

• Input cables of up to 16mm in diameter can be accommodated.  Input cables are secured and sealed into the box using heatshrink sleeves.

• Output patchcords or cables exit the box through a plastic cable gland.  The gland can be used to secure a 25mm corrugated tube.  The corrugated tube is sold separately in lengths required by the customer.  Please refer to addition items.

• Mechanical cable glands can be supplied instead of heat shrink glands.  These will be fitted by Prysmian depending on the cable diameter.  Please contact the sales desk for further information.

• Lockable to prevent unauthorised access.

• The unit is manufactured from UV resistant material for external use.

### Kit Contents

The wall box is supplied complete with splice trays, adapters, pigtails, a lock, a sealing gasket and cable entry and exit kits.

### Additional Items

• Splice Protectors
• Corrugated Tube
• Pole Mounting Bracket

# Technical Data

- Number of cable entries:                    2 in, 24 out
- Maximum cable diameter (mm):                 16.0
- Maximum Capacity:                            48 splices, 24 terminations
- Maximum no. of customer feeds:               24
- Required space envelope (mm):                (w) 270 x (h) 272 x (d) 100.
- Operating temperature:                       -20$^o$C to + 50$^o$C (5 to 95% RH)
- Sealing:                                     IP55
- Material: -
  - Cover:                                     Polycarbonate
  - Base:                                       Polycarbonate
  - Splice Trays:                               PC ABS
- Finish:-
  - Cover:                                      Grey RAL 7040
  - Base:                                       Grey RAL 7040
  - Splice trays:                               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) 300 x (h) 300 x (d) 120
- Packed Weight (kg):                          1.95
- Net weight (kg):                             1.75

# Pigtail Technical Data

Pigtails are supplied with either xx/UPC or xx/APC connectors.

xx/UPC connectors can be used in cases where xx/PC or xx/SPC connectors are required.

For technical data on the pigtails supplied refer to Prysmian data sheet AC003

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## Part Numbers

| Supplied with | Part Number | |
|---|---|---|
| | Heat Shrink Splice Protector | Crimp Splice Protector |
| | | |
| 24 x FC/UPC pigtails and adapters | XCPSC00703 | XCPSC00714 |
| 24 x FC/APC pigtails and adapters | XCPSC00704 | XCPSC00715 |
| 24 x SC/UPC pigtails and adapters | XCPSC00705 | XCPSC00716 |
| 24 x SC/APC pigtails and adapters | XCPSC00706 | XCPSC00717 |
| 24 x ST pigtails and adapters | XCPSC00707 | XCPSC00718 |
| 24 x E2000/UPC pigtails and adapters | XCPSC00708 | XCPSC00719 |
| 24 x E20000/APC pigtails and adapters | XCPSC00709 | XCPSC00720 |
| 24 x LC/UPC pigtails and adapters | XCPSC00710 | XCPSC00721 |
| 24 x LC/APC pigtails and adapters | XCPSC00711 | XCPSC00722 |
| No pigtails and adapters for FC and ST | XCPSC00712 | XCPSC00723 |
| No pigtails and adapters for SC, LC and E2000 | XCPSC00713 | XCPSC00724 |

## Additional Items

### Splice Protectors

Splice protectors are used to protect the fibre splice. They are 2.4mm in diameter and 45mm in length.
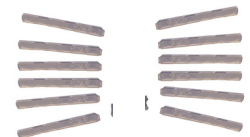
*Prysmian Part No. - XPESC00031 (pack of 50)*



### 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)*



### Corrugated Tube

Corrugated tube can be connected to the box and used to route and protect patchcords exiting the box. The tube is 25mm in diameter.

*Prysmian Part Nos.   XCPSC00696 – 2 metres*
*XCPSC00697 – 5 metres*
*XCPSC00698 – 10 metres*



### Pole Mounting Bracket

A metal bracket used for mounting the box onto a pole. The kit contains a bracket and steel bands to strap the bracket to the pole.

*Prysmian Part No. – XCPSC01224*



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

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