Internal/External Distribution Box

Prysmian Part Numbers: *See Table on page 2*

The Internal/External Distribution Box is designed for the splicing of optical cables in either internal or external applications. There are three units available - 48 fibre, 96 fibre and 144 fibre all of which are wall mountable. The units are designed for splice only applications using 12F cassettes. The cassettes are hinged for easy access during splicing and maintenance. The units have multiple cable entry points for cables ranging from up to 18mm. The unit is supplied wit a lockable hinged door and a rubber seal providing an IP rating of 55.

Features and Benefits

• Compact and Robust Internal/External wall box.

• Fitted with an integral seal providing a rating of IP55.

• Single circuit versions available for 12, 24 and 36 fibre capacities.

• Single element versions available for 48, 96 and 144 fibre capacities.

• Splice trays hinge upwards for ease of installation and maintenance.

• Lockable hinged lid for extra security.

• Can be supplied to accommodate either heat shrink splice protectors or crimp splice protectors.

• Cable entry gland sizes range from 13mm up to 20mm.

• Up to 9 cable entry/exit points are provided.

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

• 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 Internal/External Distribution Box is supplied with splice trays, cable entry and exit glands, a sealing gasket, a lock and wall fixings. Installation instructions are provided with each product.

Note: The box can be supplied to accommodate either Heat Shrink or Crimp splice protectors. See part numbers on the following page.

Additional Items

• Heat Shrink Splice protectors
• Crimp Splice Protectors
• Gas seal connectors
• Pole Mounting Bracket

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Technical Data

- Number of Splice Trays: 4, 8 or 12 (single element):   6, 12 or 20 (single circuit)

- Maximum Fibre Capacity: 48, 96 or 144 (single element): 12, 24 or 36 (single circuit)

- Number of cable ports:

  - Input cable   1 for cable with max 12.5mm diameter

  - Output cables   1 for cable with max 10.5mm diameter, 6 for cable with maximum 3mm diameter

- Maximum Cable Diameter (mm):   12.5

- IP Rating: 55

- Required space envelope (mm):   (w) 272 x (L) 270 x (d) 100.

- Operating temperature: -20ºC to + 50ºC (5 to 95% RH)

- Material:-

  - External Box   Polycarbonate

  - Splice tray: PC ABS

- 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 (L) 300 x (d) 120

- Packed Weight (kg):   2

- Net weight (kg):   1.50

Part Numbers

Single Element			Single Circuit		
Capacity	Splice Protector		Capacity	Splice Protector	
	Heat Shrink	Crimp		Heat Shrink	Crimp
48F	XCPSC00769	XCPSC00772	12F	XCPSC00775	XCPSC00778
96F	XCPSC00770	XCPSC00773	24F	XCPSC00776	XCPSC00779
144F	XCPSC00771	XCPSC00774	36F	XCPSC00777	XCPSC00780

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Additional Items Optional

Splice Protectors

OAsys 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.
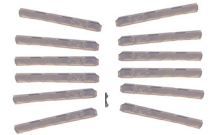
Prysmian Part No. - XPESC00031 (pack of 50)

Crimp Splice Protectors

OAsys Crimp Splice Protectors are used to protect the fibre splice. They are 1.3mm wide x 3.2mm high x 30mm long.
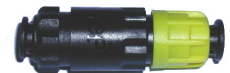
Prysmian Part No. – XKTSC00079 (pack of 12)
XKTSC00078 (pack of 50)

Gas Seal Connectors

Used for sealing a Blown Fibre tube. The connector simply push fits over the tube providing a gas tight seal for tubes unpopulated tubes or tubes populated with a Blown Fibre Bundle.

Prysmian Part No. – XAGSC00404 (Pack of 10)

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**