Prysmian Group

INSTALLATION INSTRUCTION

32 INTERNAL SPLITTER NODE (32ISPN)

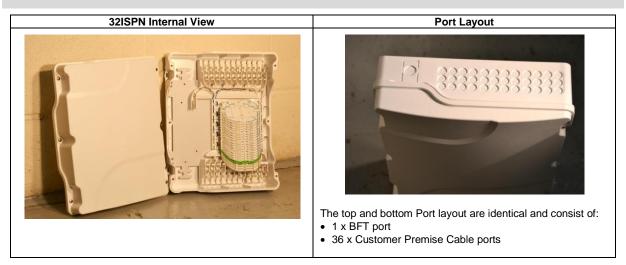
The 32ISPN is the last Splitter point before the customer. The 32ISPN is wall mounted internally within a MDU location and provides the following functionality:

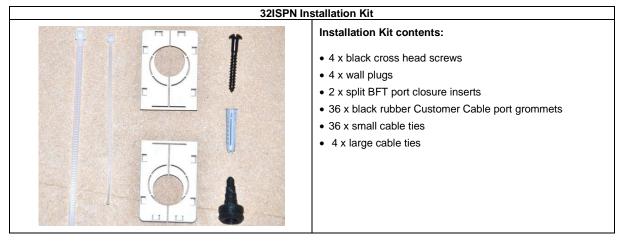
- A Tube Intercept joint for 4BFT and 7BFT
- A location point for a pre-installed 2 x 32-way Splitter Device
- A termination point for 4f Blown Fibre unit
- A splicing point between individual Splitter Output fibres and the 2 fibre Customer Premise Cable (only one fibre used)
- Loop through of riser cable

Installation	guide	Section	Details
	5	Nection.	

Instantion Surve Section Details			
Section 1 - Plan & Build	Attaching the 32ISPN to Wall	Supplied with the product	
Section 2 - Plan & Build	- Plan & Build Blown Fibre Tube Installation		
Section 3 - Plan & Build	Installation of Customer Premise Cable	and available on the Intranet	
Section 4 – Plan & Build	Loop through of riser cable	Available on Intranet	

Product Description





Dimensions		
Height: 407mm	Width: 332mm	Depth: 120mm

SECTION 1 - Plan and Build Attaching the 32ISPN to Wall

Additional Items Required				
	Item Code			
None				
Additional Tools Required				
	Item Code			
OTIAN Flush Cutter 1A				
Optical Fibre Stripper No 1A				
Cable Minimum Bend Radii				
Cable	Minimum Bend Radii			
7BFT	185mm			
Customer Premise Cable	ТВА			

Appropriate Safety Procedures MUST always be followed

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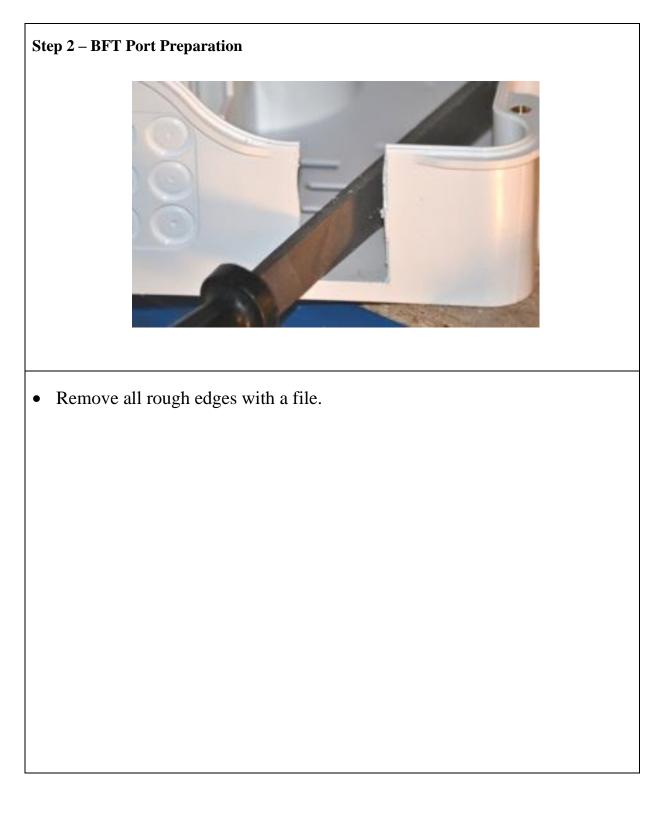
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SECTION 1 - Plan and Build Attaching the 32ISPN to Wall



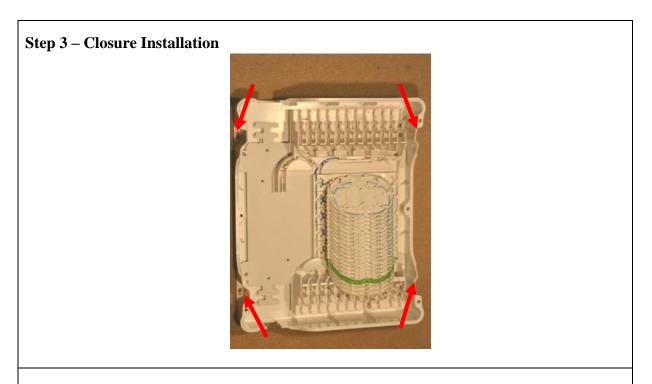
• Remove BFT port cut-out located on the top and bottom of closure using a suitable hacksaw.

SECTION 1 - Plan and Build Attaching the 32ISPN to Wall



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SECTION 1 - Plan and Build Attaching the 32ISPN to Wall

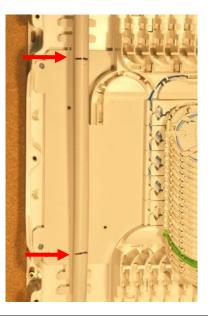


- Position the closure so that the associated BFT can vertically enter and exit the closure.
- Support closure against wall, locate and mark the mounting points through the 4 fixing points shown above.
- Drill fixing holes using 4mm masonry drill.
- Insert wall plugs supplied.
- Fix to wall using cross head screws supplied.
- Ensure closure is level and tighten screws.

Note: To ensure safe working practices, consideration should be given to the positioning height of the closure.

SECTION 1 - Plan and Build Attaching the 32ISPN to Wall

Step 4 – BFT Window Cut Preparation



- Position the BFT across the closure ensuring BFT sits vertically in the top and bottom port cut-outs.
- Measure 80mm from the inside edge of the top and bottom port cut-outs.
- Sheath mark the BFT at these points (the distance between these 2 marks will form the required window length).
- Remove the sheath using Cable Sheath Stripper No7 to expose the Blown Fibre tubes.

SECTION 2- Plan and Build Blown Fibre Tube Installation

Appropriate Safety Procedures MUST always be followed

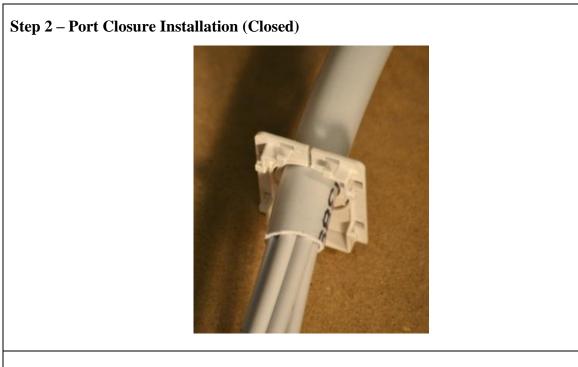
Step 1 – Port Closure Installation (Open)

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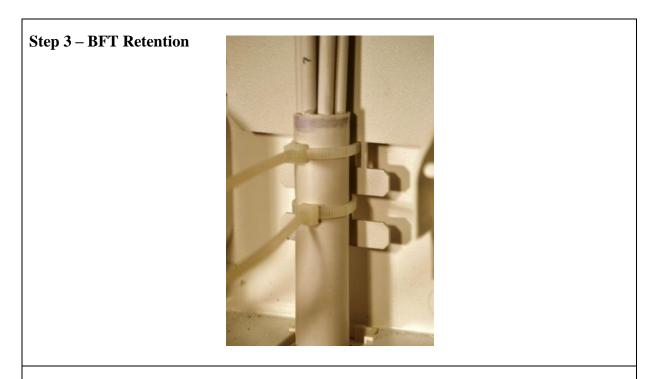
- Ease the split Port Closure Inserts over both sheath butts formed by the Window cut.
- Ensure that the locating lugs on both inserts face into the closure.

SECTION 2- Plan and Build Blown Fibre Tube Installation



- Slide the closure inserts into place on the BFT sheath and close the inserts.
- Locate the inserts into the top and bottom port cut outs in the closure.

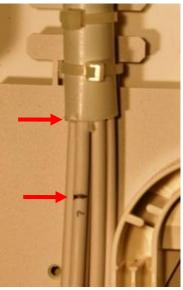
SECTION 2- Plan and Build Blown Fibre Tube Installation



• Retain to the retention lugs in the base of the closure using the large cable ties supplied.

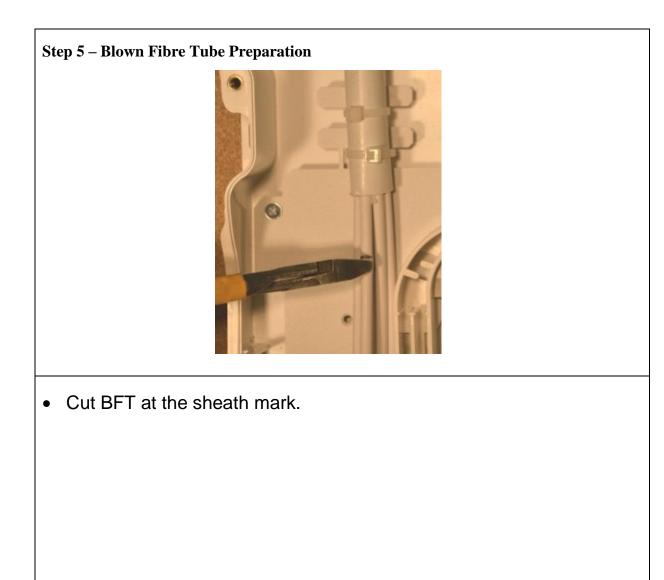
SECTION 2- Plan and Build Blown Fibre Tube Installation





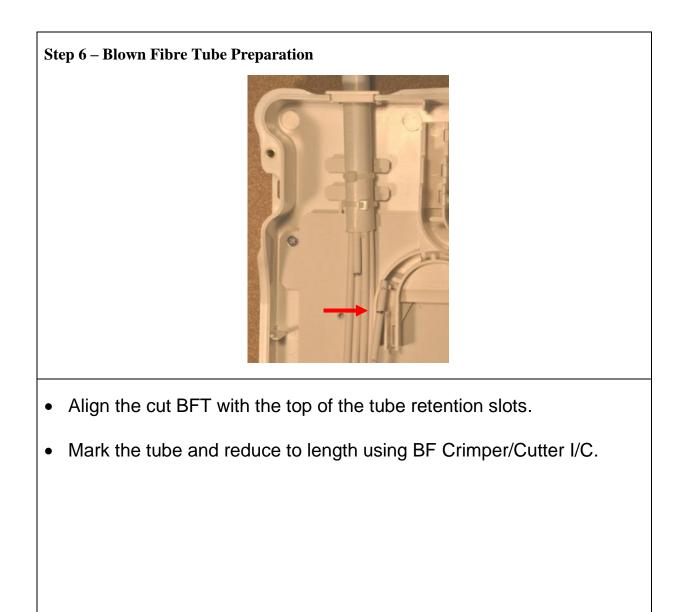
- Identify allocated Blown Fibre Tube.
- Measure 25mm from BFT butt and mark tube.

SECTION 2- Plan and Build Blown Fibre Tube Installation



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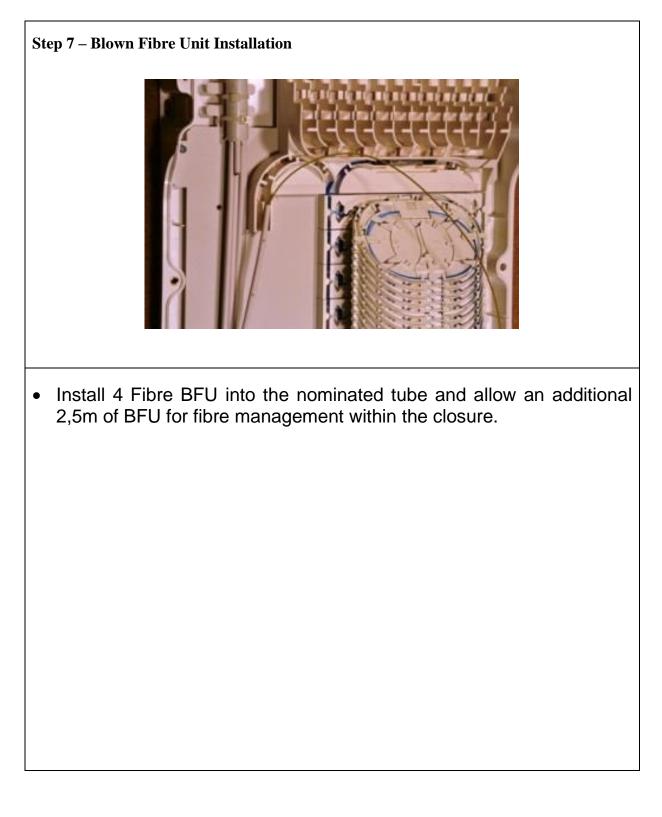
SECTION 2- Plan and Build Blown Fibre Tube Installation



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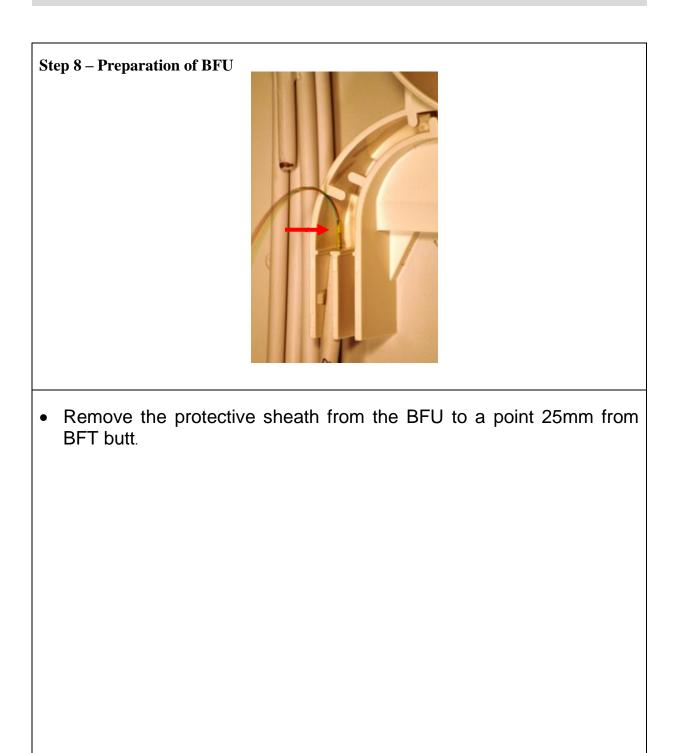
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SECTION 2- Plan and Build Blown Fibre Tube Installation

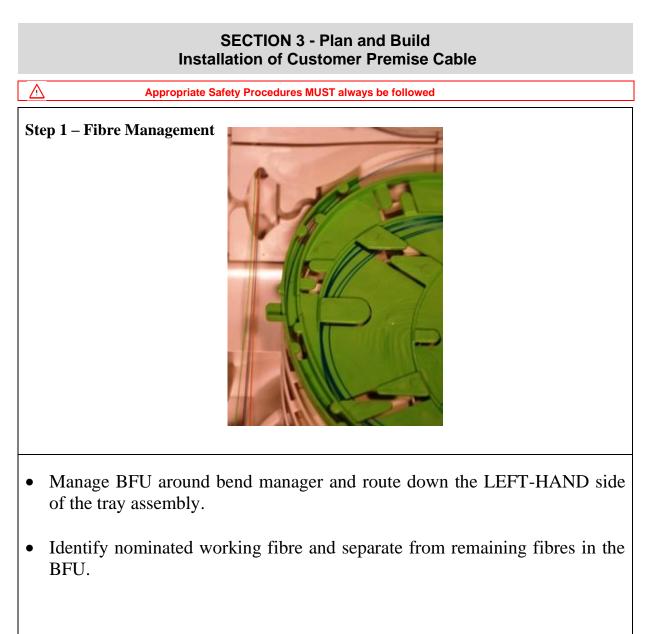


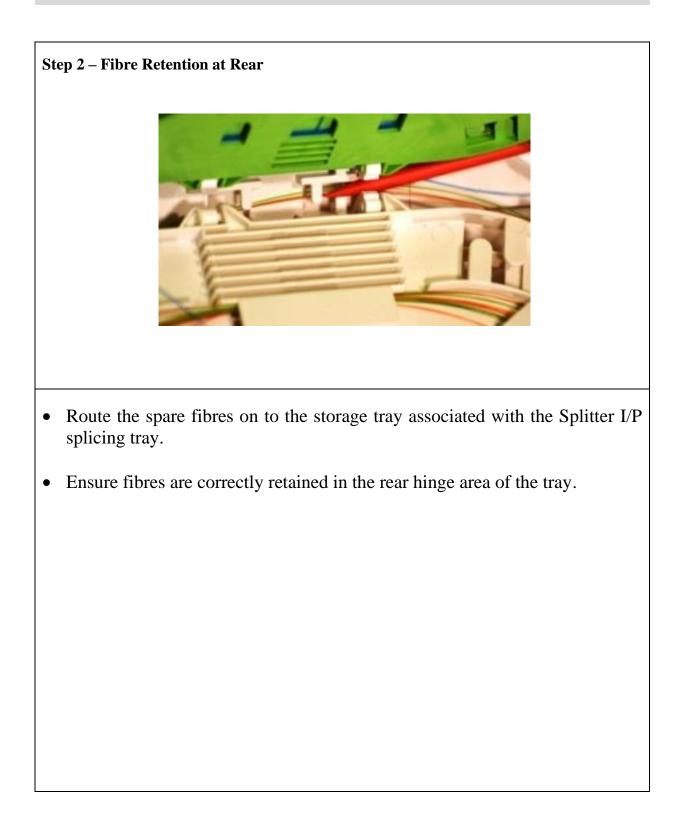
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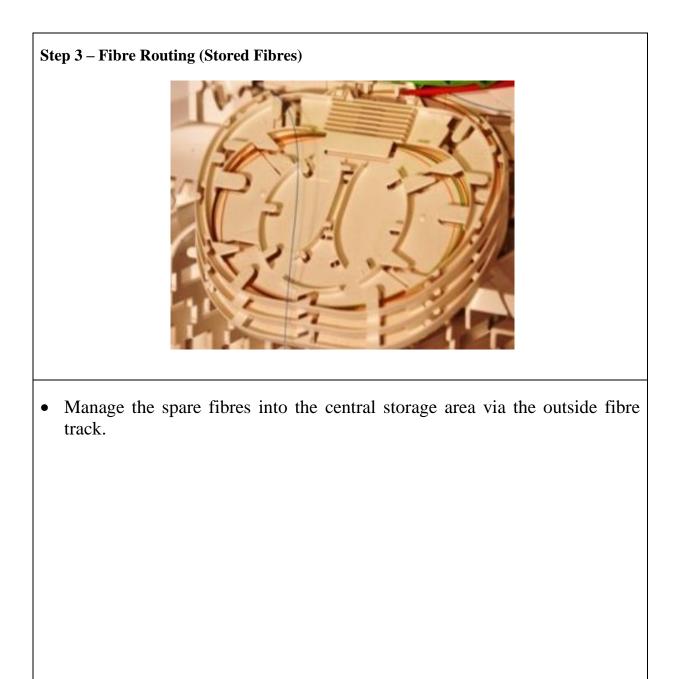
SECTION 2- Plan and Build Blown Fibre Tube Installation



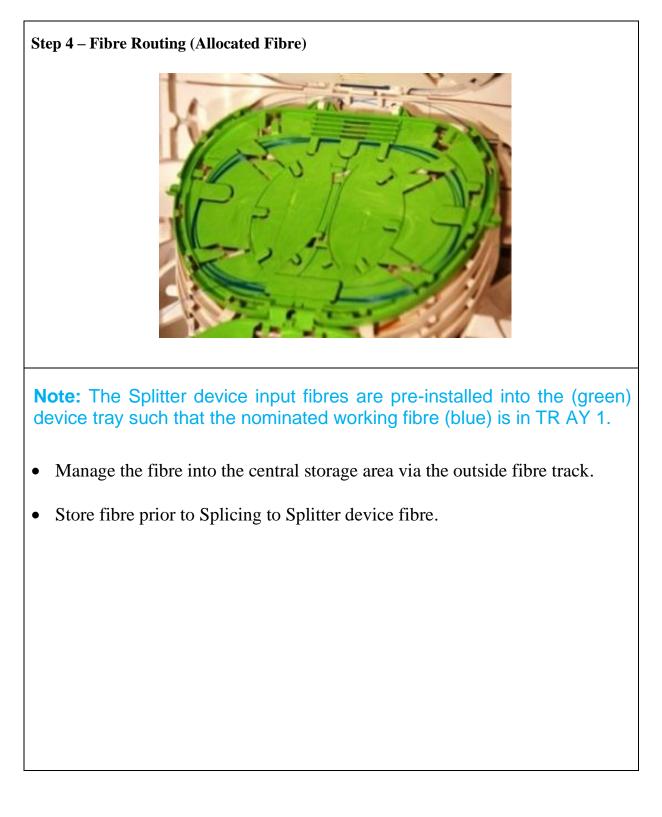
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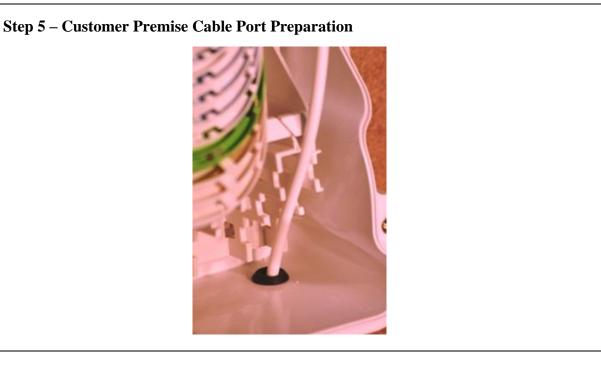


SECTION 3 - Plan and Build Installation of Customer Premise Cable



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SECTION 3 - Plan and Build Installation of Customer Premise Cable

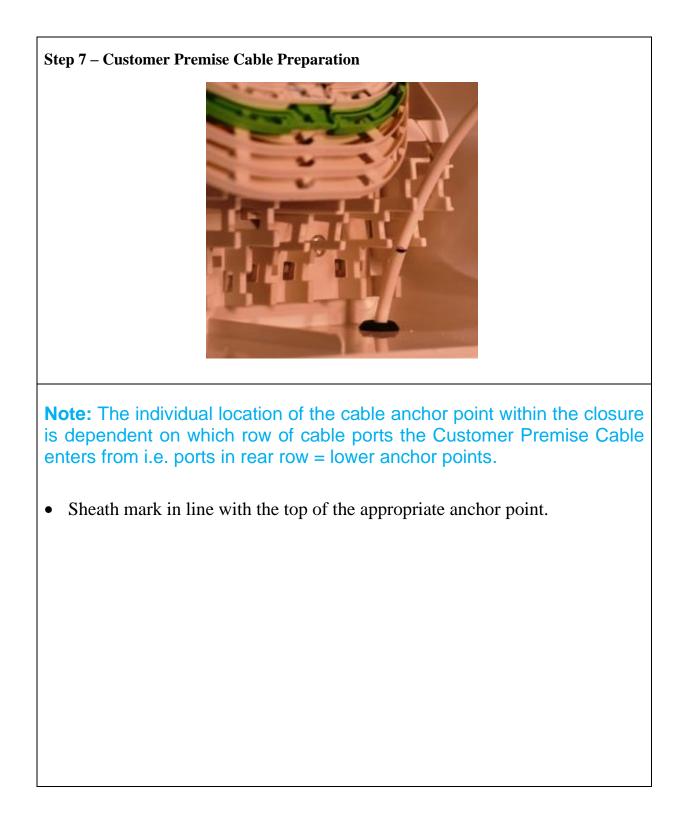


Note: The Customer Premise Cable ports consists of 3 rows of 12 ports and count from the back row LEFT TO RIGHT when viewed from the top.

• Knock out nominated port using suitable tool.



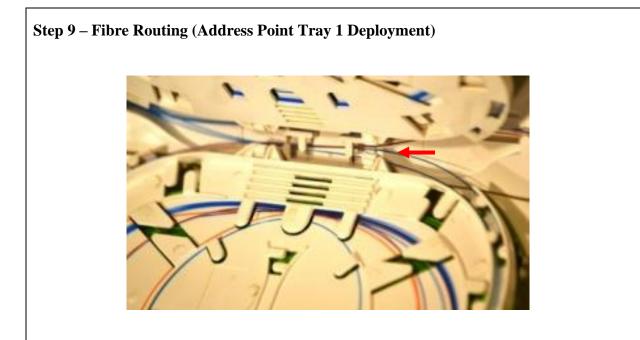
- Cut the tapered rubber teat on the port grommet (provided in installation kit) to the second step.
- Feed 2m of Customer Premise Cable through the grommet, ensuring the rubber teat is located on the outside of the closure.
- Feed the Customer Premise Cable into the closure and seat the grommet into the open port.





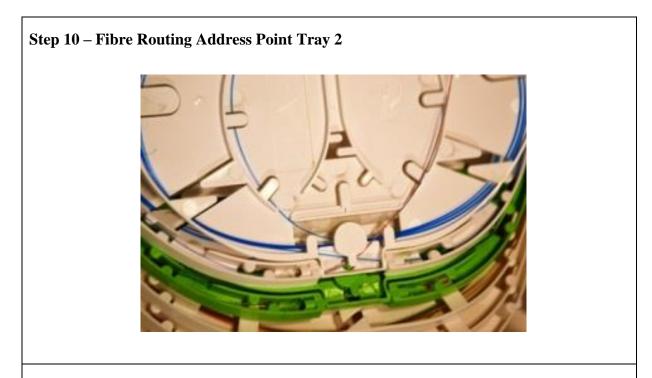
- Remove cable sheath back to the sheath mark, using the appropriate tools.
- Remove the protective sheath from the 2-fibre unit using Strippers Optical 1A.
- Cut back the Aramid Yarn to the sheath butt.
- Fix the cable sheath to the appropriate anchor point using the small cable ties provided.
- Hand tension and remove over length using OTIAN Flush Cutting tool, 1A.

SECTION 3 - Plan and Build Installation of Customer Premise Cable



- Route the fibres up the RIGHT-HAND side of the Tray Assembly on to the appropriate Address Point Tray.
- Route fibres on to the tray; ensure the fibres are correctly retained in the rear hinge area.
- Open splicing tray to expose fibre storage area for Address Point Tray 1.
- Manage the fibres via the cut-out in the outside track into the central storage area.
- Store fibre for splicing.

Note: Only fibre 1 is spliced through. Fibre 2 remains in storage within the storage area of the nominated Address Point Tray.



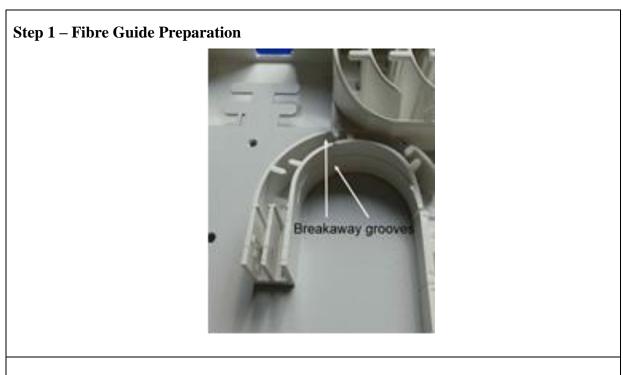
- Route the fibres up the RIGHT-HAND side of the Tray Assembly on to the appropriate Address Point Tray.
- Route fibres on to the tray; ensure the fibres are correctly retained in the rear hinge area.
- Feed fibre around outside track and through the tunnel at (top) tray 2 hinging point.
- Manage fibres across tray hinge areas into outer storage area.
- Store fibre for splicing.

SECTION 4 – Installation and Loop through of Riser Cable

Additional Items Required			
Loop Kit for MDU FDP			
Additional Tools Required			
Junior Hacksaw with 3 Blades			
Optical Fibre Stripper No 1A			
Cable Minimum Bend Radii			
Cable	Minimum Bend Radii		
12f to 72f	200mm		
96f to 144f	350mm		

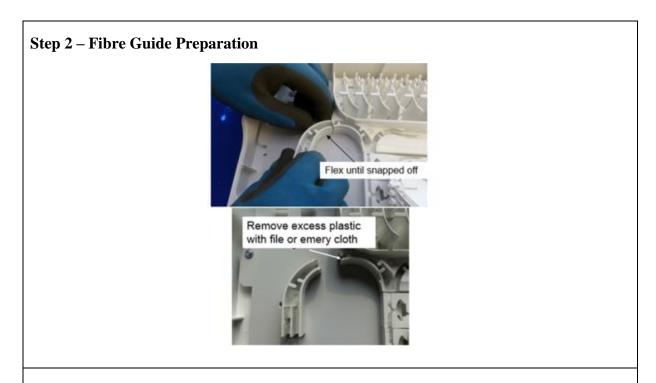
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SECTION 4 – Installation and Loop through of Riser Cable



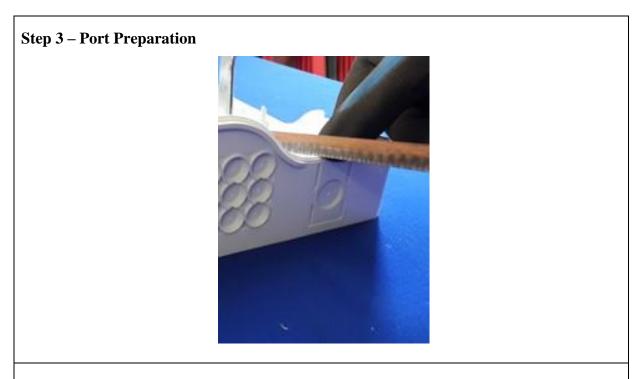
• The fibre guide supplied with the MDU internal splitter node incorporates breakaway grooves. This enables the left-hand side of the guide to be snapped off enabling installation of loop kit.

SECTION 4 – Installation and Loop through of Riser Cable



- Flex the left portion of the fibre guide back and forth until it snaps away.
- Remove burrs and excess plastic from the remaining guide using a file or emery cloth.

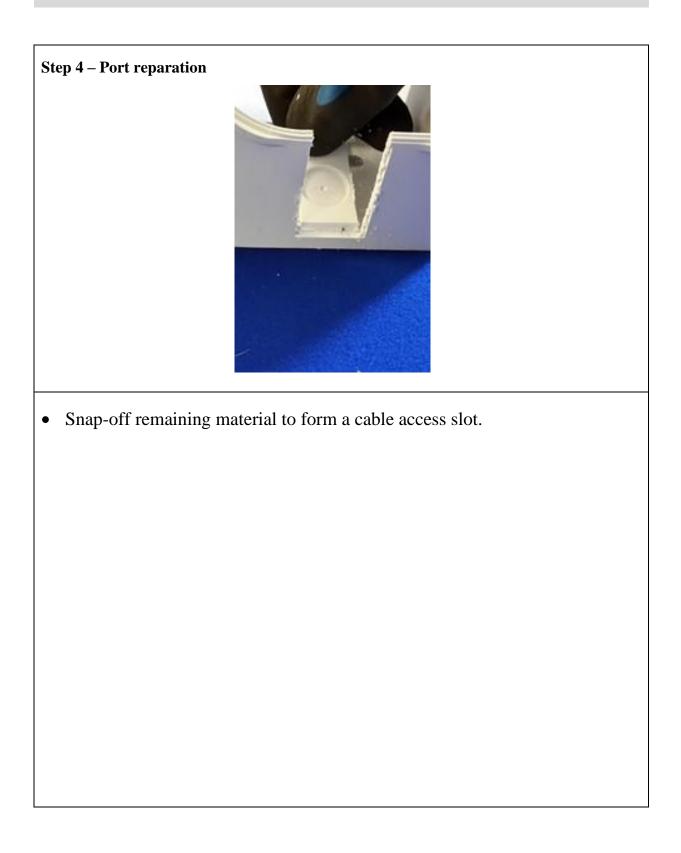
SECTION 4 – Installation and Loop through of Riser Cable



• Saw along moulded guides of the cable ports located at the top and bottom of the splitter DP.

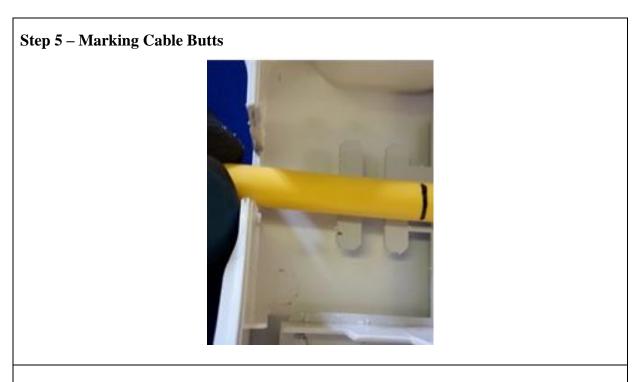
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SECTION 4 – Installation and Loop through of Riser Cable



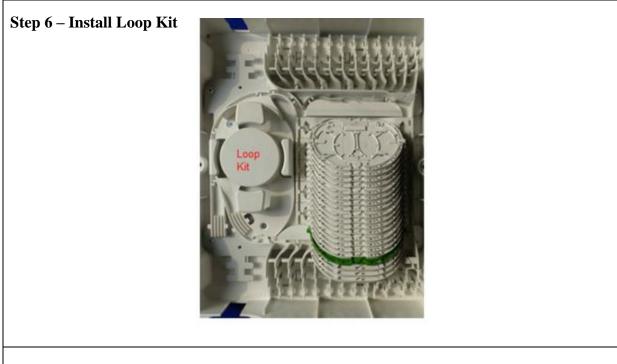
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SECTION 4 – Installation and Loop through of Riser Cable



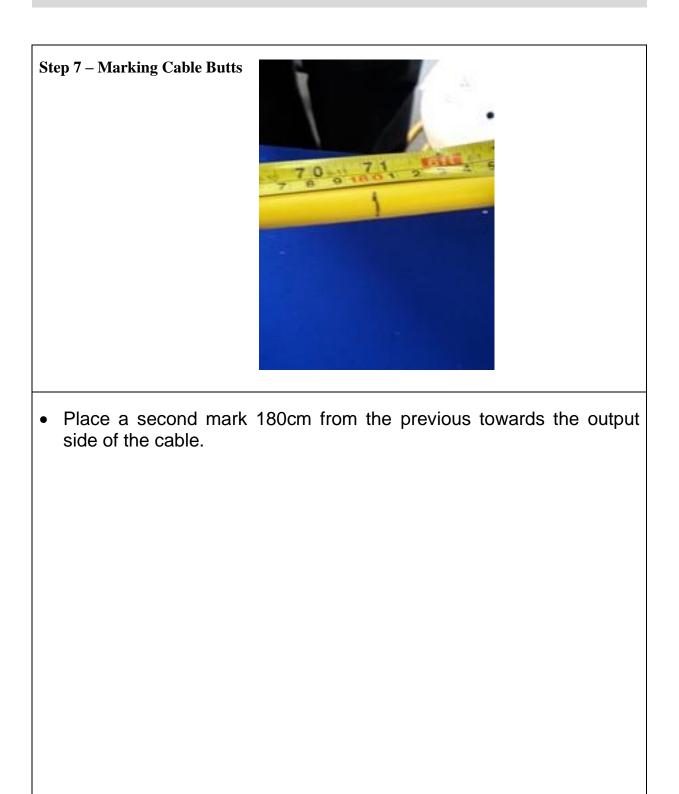
• Place the input side of the cable into the bottom port slot and mark the sheath just above the cable retention bracket.

SECTION 4 – Installation and Loop through of Riser Cable



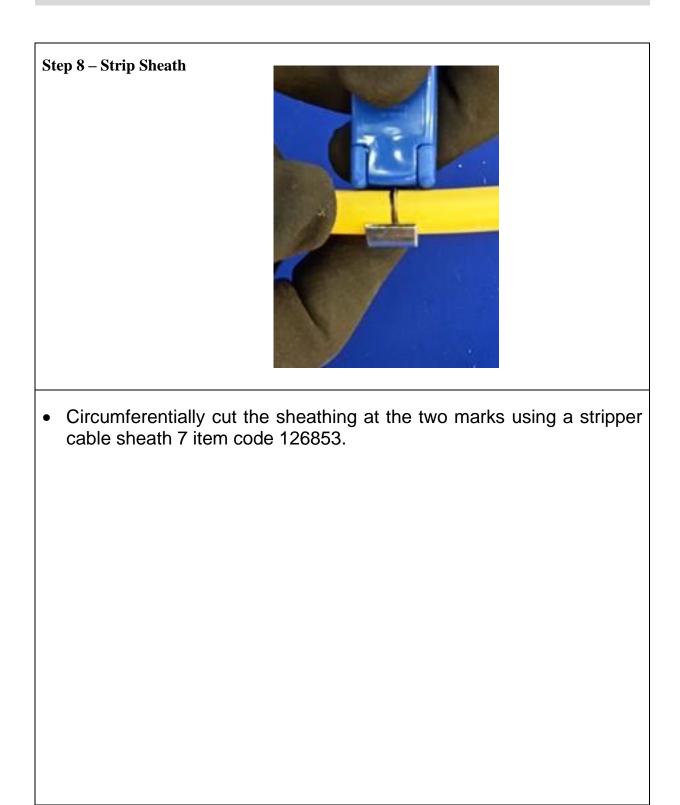
• Install the Loop Kit item code 063238 using the two mounting screws provided.

SECTION 4 – Installation and Loop through of Riser Cable



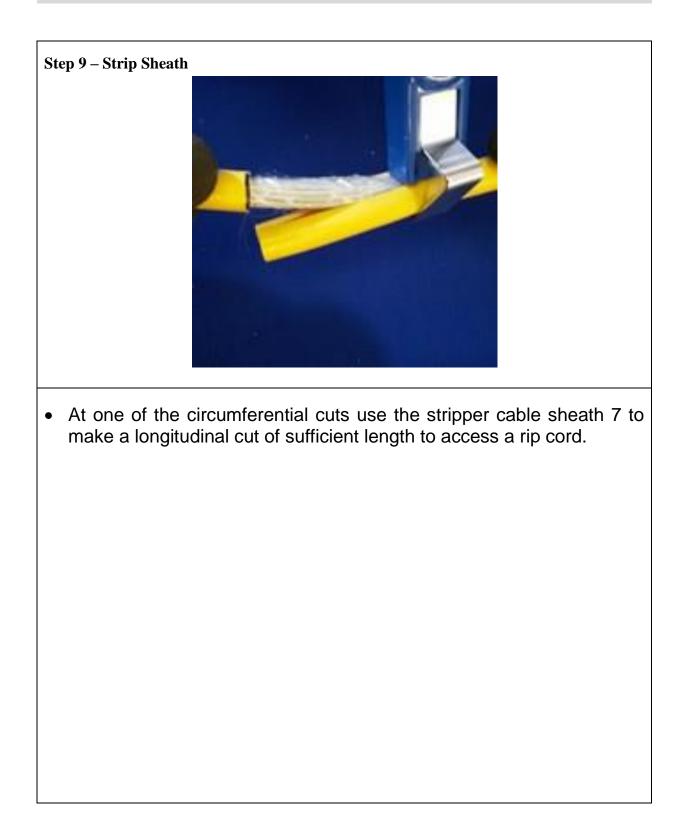
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SECTION 4 – Installation and Loop through of Riser Cable

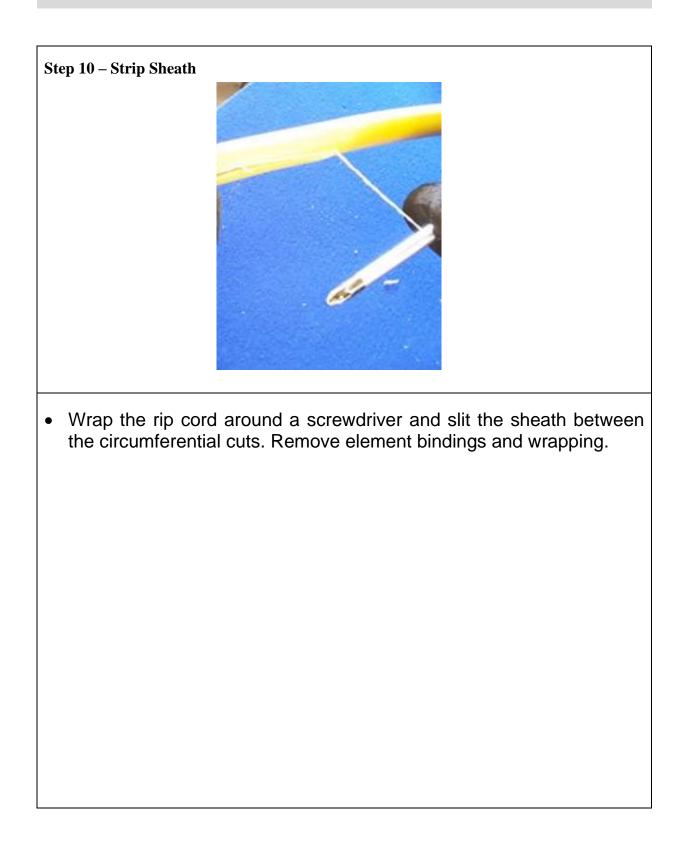


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SECTION 4 – Installation and Loop through of Riser Cable

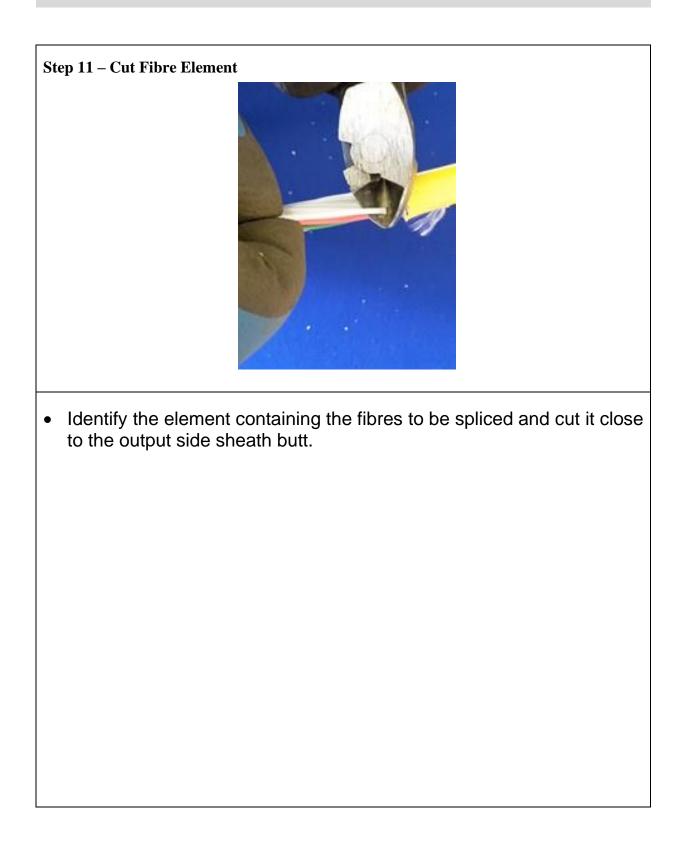


SECTION 4 – Installation and Loop through of Riser Cable



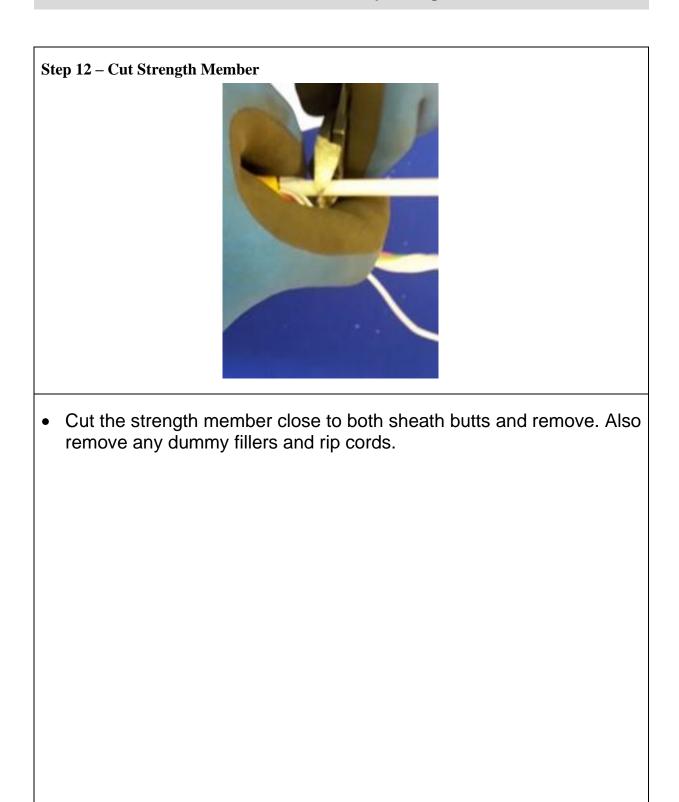
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SECTION 4 – Installation and Loop through of Riser Cable



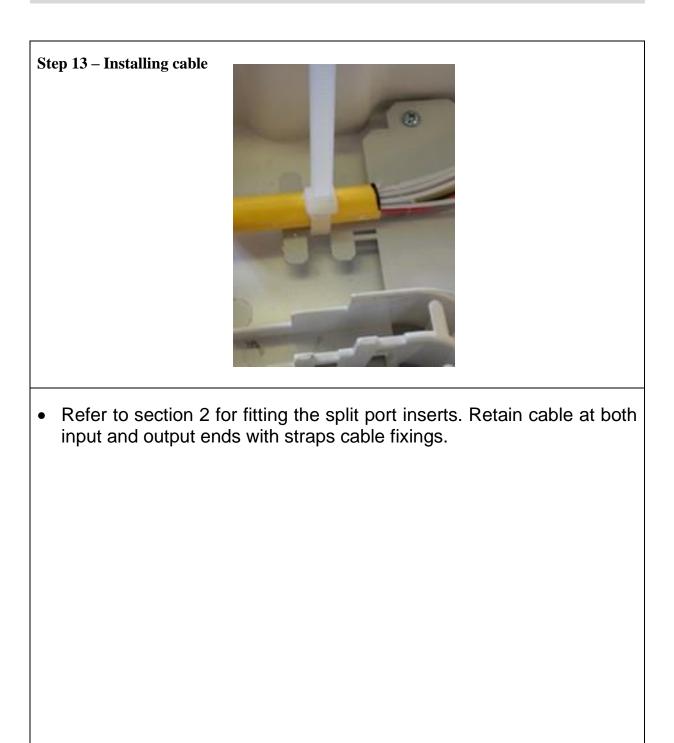
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SECTION 4 – Installation and Loop through of Riser Cable



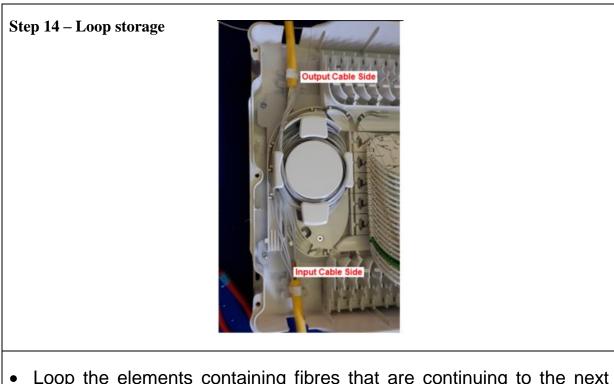
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SECTION 4 – Installation and Loop through of Riser Cable



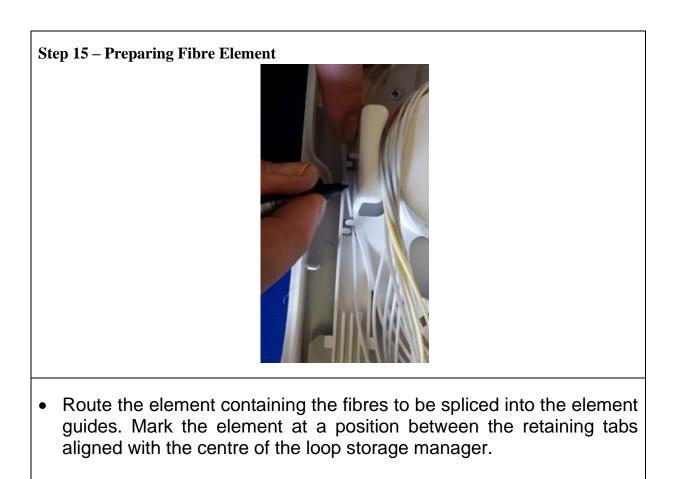
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SECTION 4 – Installation and Loop through of Riser Cable



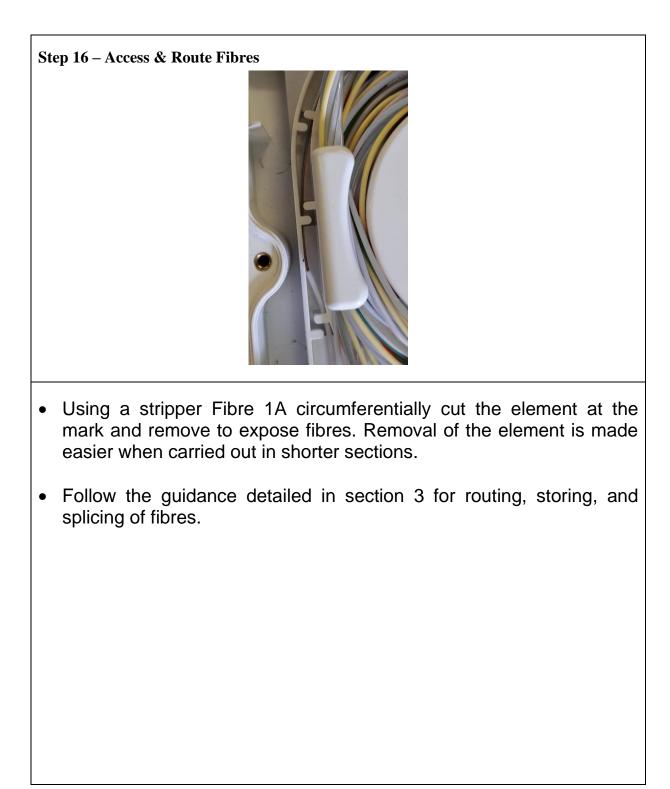
• Loop the elements containing fibres that are continuing to the next floor level into the loop storage area.

SECTION 4 – Installation and Loop through of Riser Cable



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SECTION 4 – Installation and Loop through of Riser Cable



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Date: 18th January 2023