

Title:

Network Micro-Duct and Cable Installation

Review	Date	Description	Prepared	Verified	Approved
01	16-09-2021	Image updating	Kaj Kulstad	Chris Taylor	Chris Taylor
02	22-02-2022	All sections updated	Sean Pillans (VM)	Chris Taylor	Chris Taylor
03	13-05-24	Tray version added	Chris Taylor	Sean Pillans	Chris Taylor

These instructions are also available via a QR Code on the back of the first splice tray inside the DP



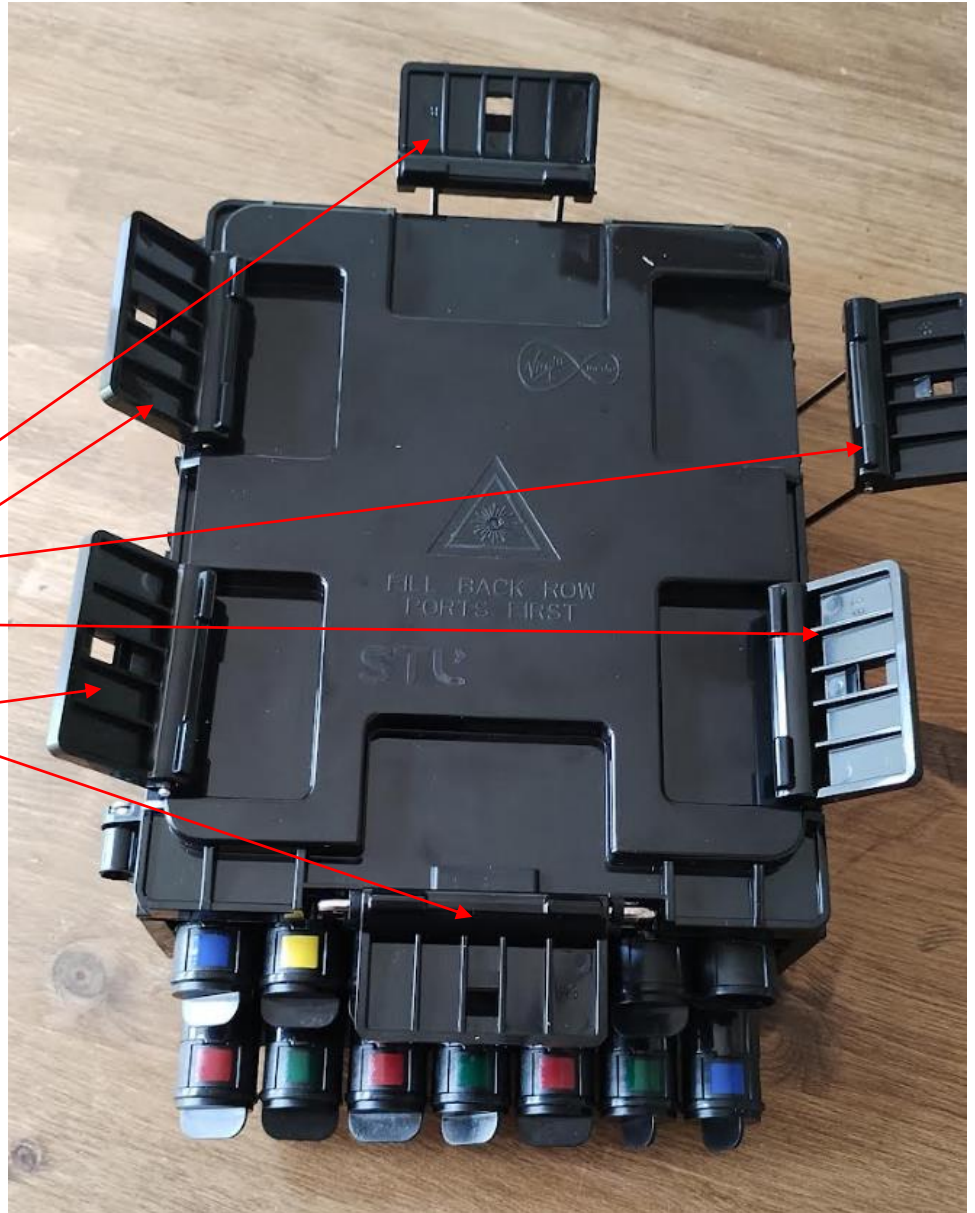
Network Micro-Duct and Cable Installation

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1. Opening the DP

Use a Screwdriver to open the 6 spring latches.

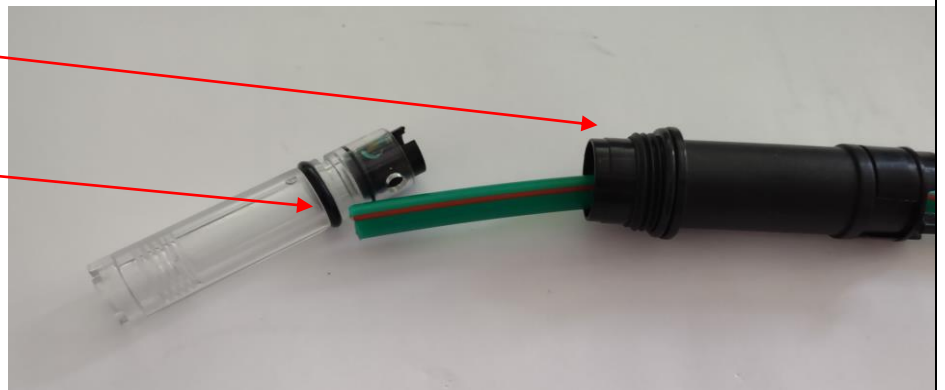


2. Installing Micro-Duct

Only 7mm Micro-Duct can be used to connect to the DP

Pass the 7mm duct through the outer housing as shown

The end of the duct must be rounded off to make it easier for the next part of the install.



Push the inner body on to the duct using a twist action to push through the internal O-Ring, then screw on the inner body until the duct is at the end of the threaded section as shown



Note: When installing the DP Overhead a micro-duct/cable coil must be provided to enable the DP to be brought to the ground for maintenance work. For the Maintenance Coil use 5/3.5 UV Stable Micro-Duct and UV Stable Reducers to convert from 7mm to 5mm Micro-Duct.

For **Underground Installs** a 7mm Gas/Water Block must be fitted outside the DP as shown

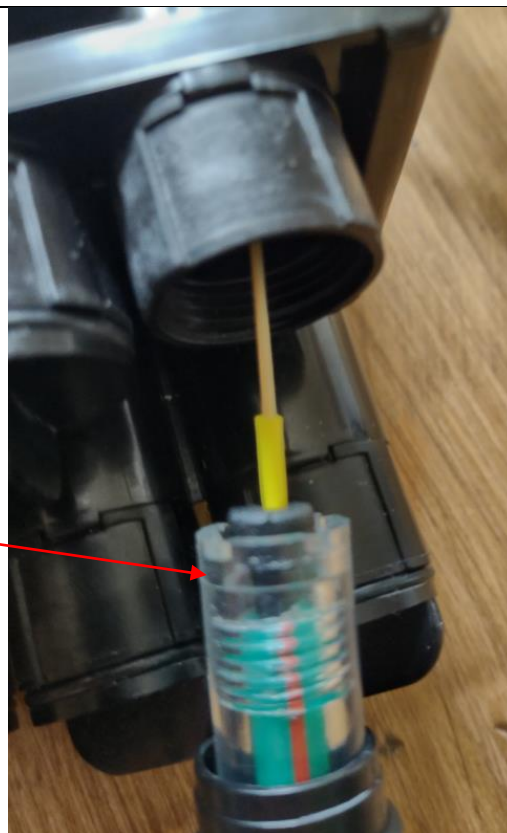
VM SKU Code - 10008635



Once the cable has been installed the gas block must be activated to ensure the cable does not move inside the micro-duct

For **Overhead Installs** an Mk2 ELF fibre restraint must be fitted as shown

VM SKU Code 10013896



The ELF can only be fitted once the cable has been installed

3. Installing Cable

Only 12 Fibre Bundle can be installed into the DP

Install a minimum of 2 metres of 12 fibre bundle inside the DP.

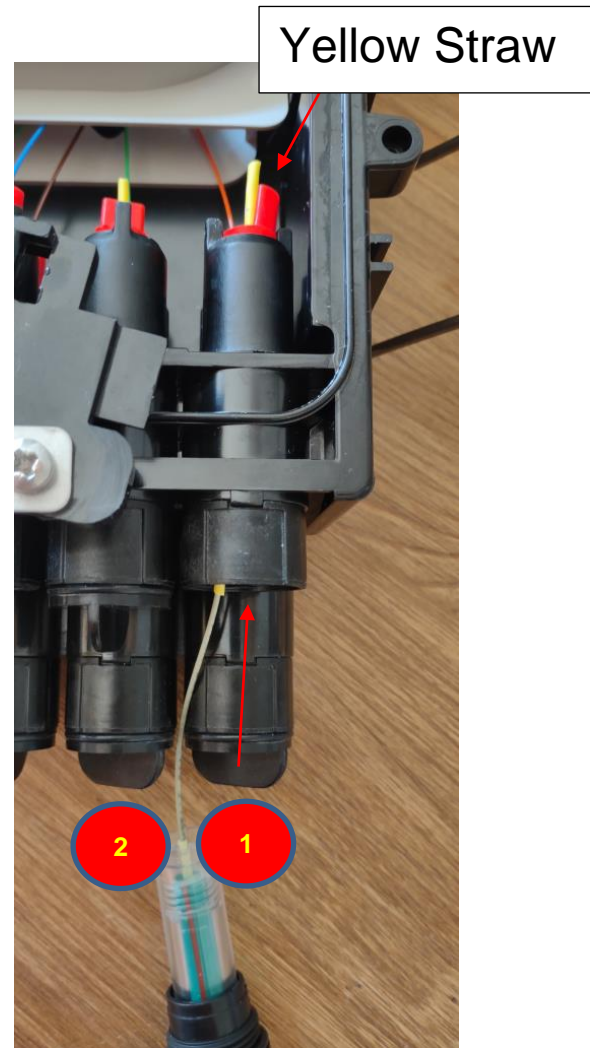
Port 1 = 1st Network Cable

Port 2 = 2nd Network Cable (Daisy Chain)

Remove the Port Cap

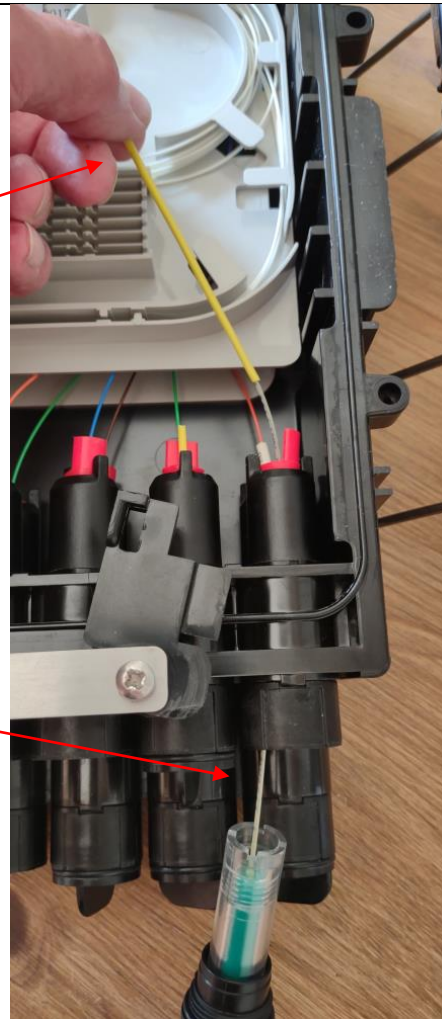
Strip approximately 40mm of sheath from the cable.

Push the fibre bundle up inside the yellow straw as far as it will go.



Grip the yellow straw inside the box making sure you have gripped the fibre bundle inside and pull the fibre passes through the red port gromet.

Then pull through the remaining cable.



Slide the outer body on to the inner body.

Ensure the outer shell is positioned as shown before installing to the DP Port.



Remember to install an ELF at this point – Overhead Installations Only

Screw the connector body onto the port as shown and pull through remaining cable slack into the DP



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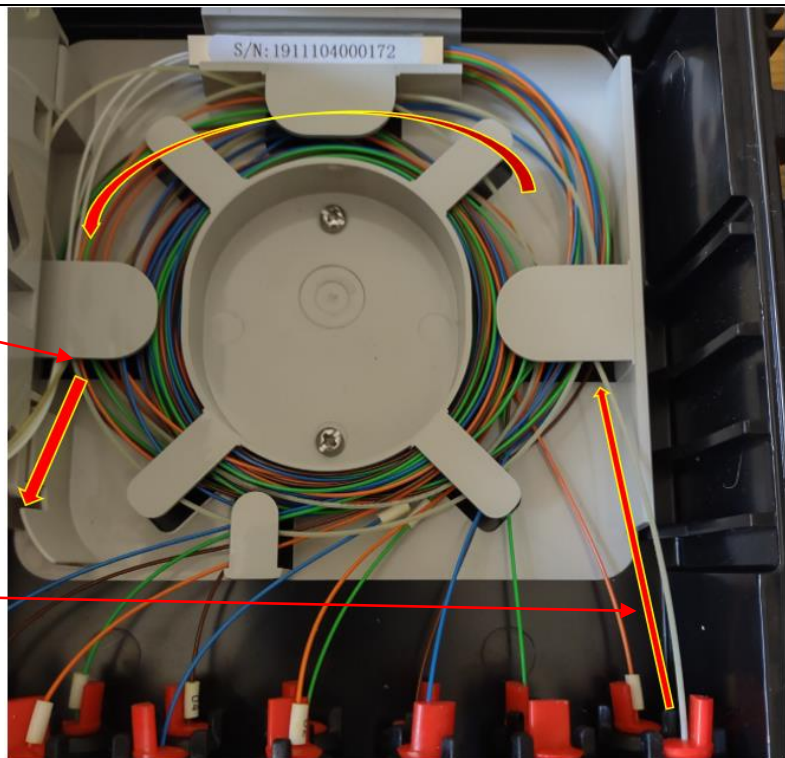
Identify the version of inner trays supplied and refer to the relevant instructions below.

Routing Cable/Fibre tray version 1

Store cables loops in the bottom tray – Minimum 3 loops required.

Exit lower tray and onto splice tray here.

Mark the cable here to enable identification of the other end on the splice tray.



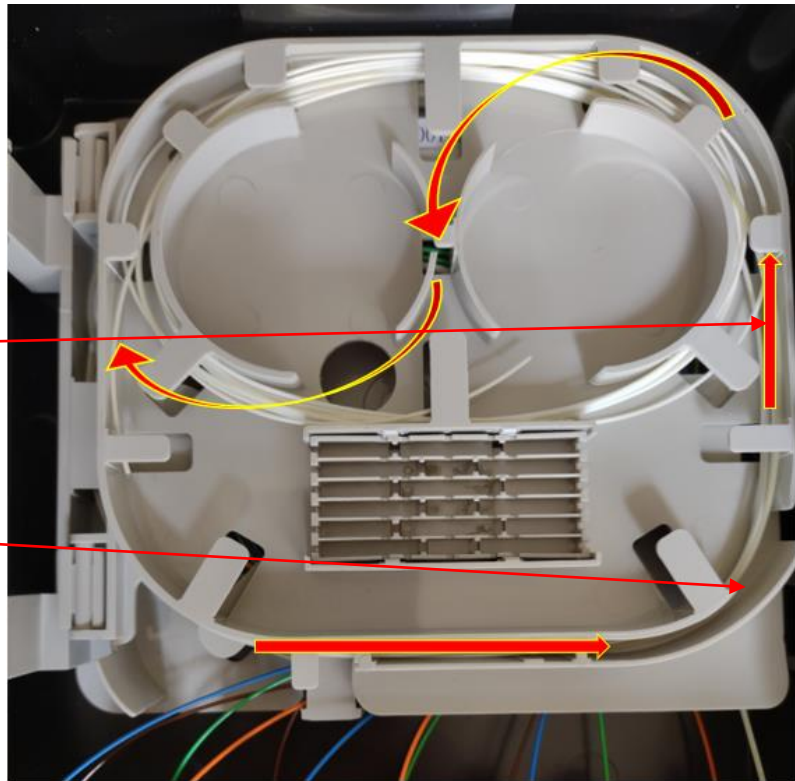
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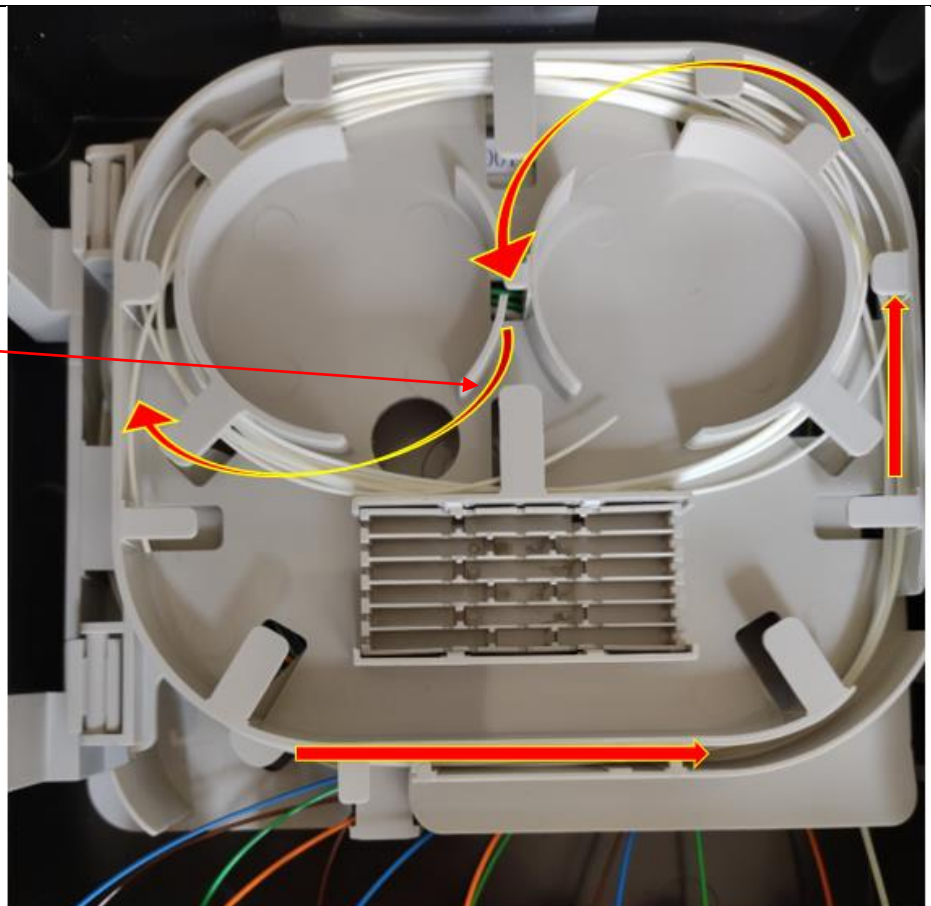
Route the cable onto the next (splice) tray as shown

Strip the cable to here.

Mark the Cable here to identify the Port used at the base of the DP



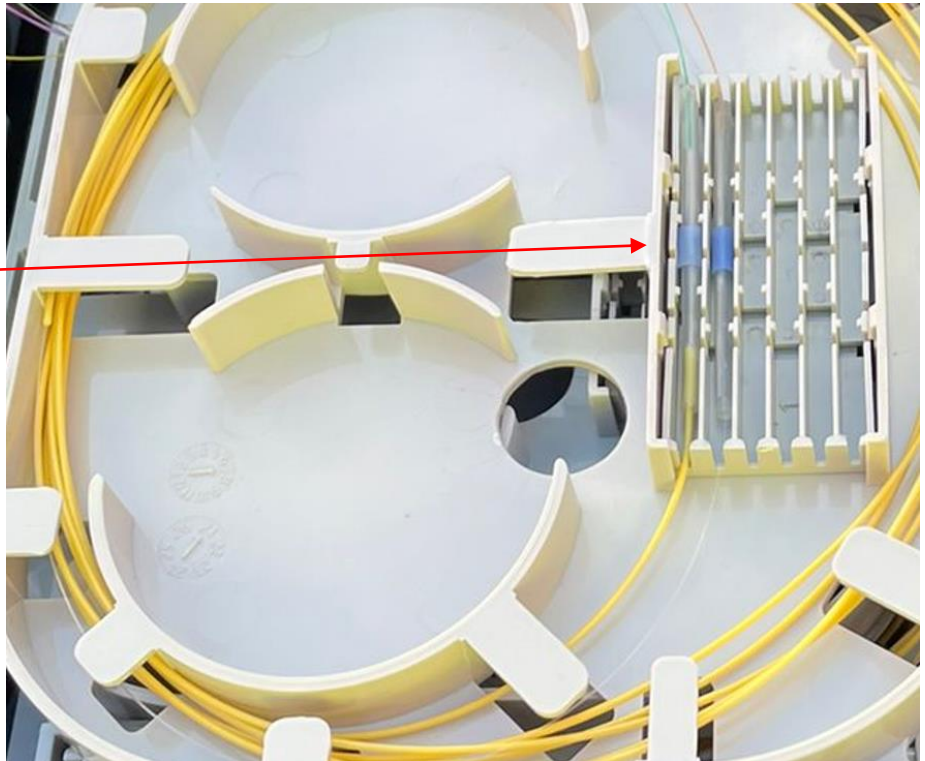
Route the fibres in a figure of 8 to splice to the splitters tails



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Splice the splitter tails to the network as shown

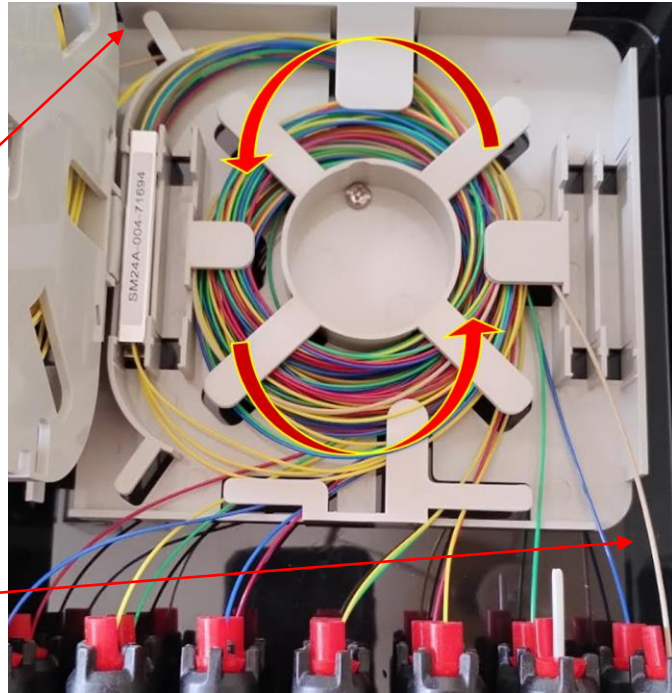


Routing Cable/Fibre tray version 2

Store cables loops in the bottom tray – Minimum 3 loops required.

Exit lower tray and onto top splice tray here.

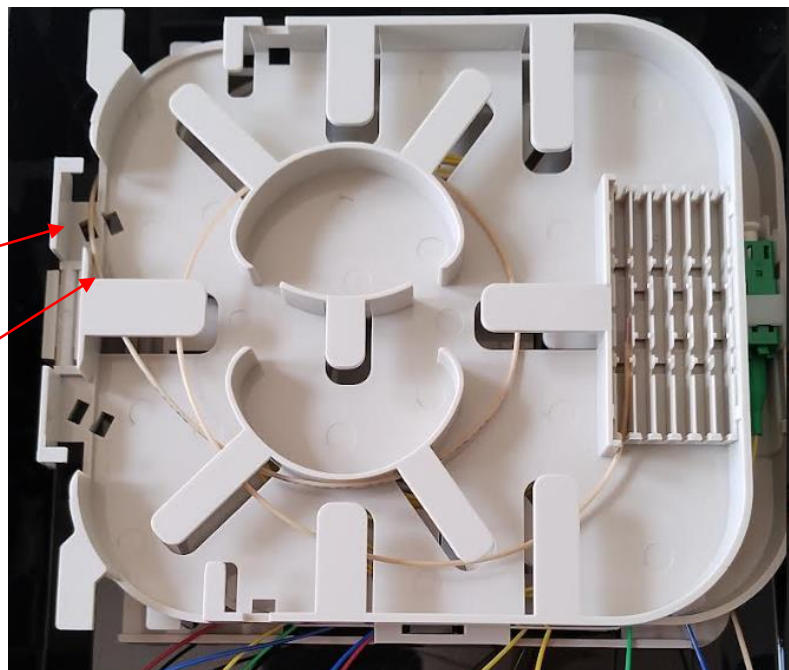
Mark the cable here to enable identification of the other end on the splice tray.



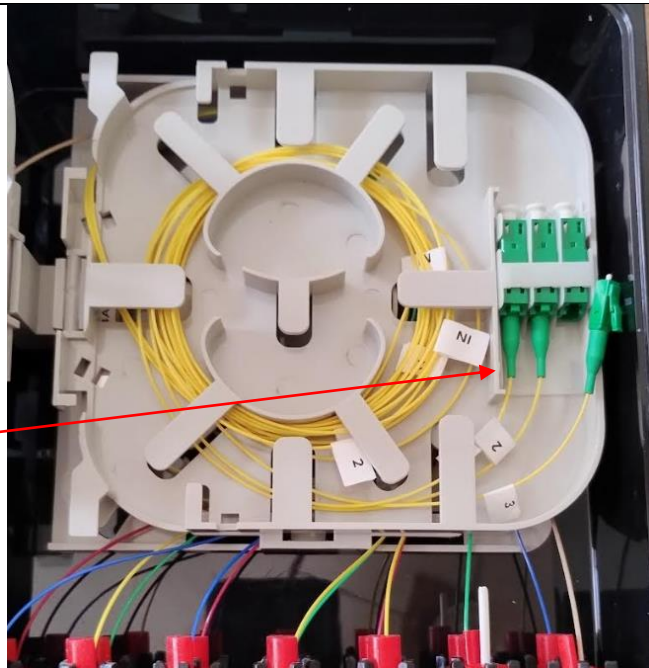
Route the cable onto the top (splice) tray as shown

Mark the Cable here to identify the Port used at the base of the DP

Strip the cable to here.

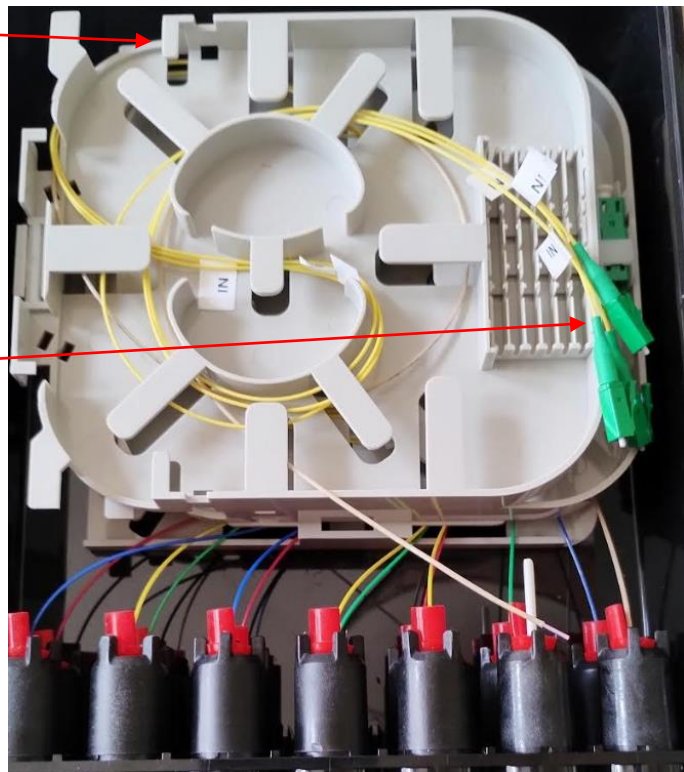


Where splicing to network cable is required. Remove splitter input connectors from middle tray and route the on to the top tray



Reverse the splitter inputs direction as shown.

Cut the connectors off and splice to the network cable.



1. Closing the DP

