


Prysmian
Group
INSTALLATION INSTRUCTION

OTIAN SPLICING SHELF 2A

Description	Tools Required						
<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <p>INSTALLATION GUIDE FOR THE OTIAN SPLICING SHELF 2A. CABLE INSTALLATION AND</p> </div> <div style="flex: 1; text-align: center;">  </div> </div>	<p>Tools:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">4.5mm Allen Key</td> <td style="width: 50%;">Sheath Removal Tool</td> </tr> <tr> <td>Wire Cutter</td> <td>Philips Screw Drivers</td> </tr> <tr> <td>Fibre Stripper</td> <td></td> </tr> </table>	4.5mm Allen Key	Sheath Removal Tool	Wire Cutter	Philips Screw Drivers	Fibre Stripper	
4.5mm Allen Key	Sheath Removal Tool						
Wire Cutter	Philips Screw Drivers						
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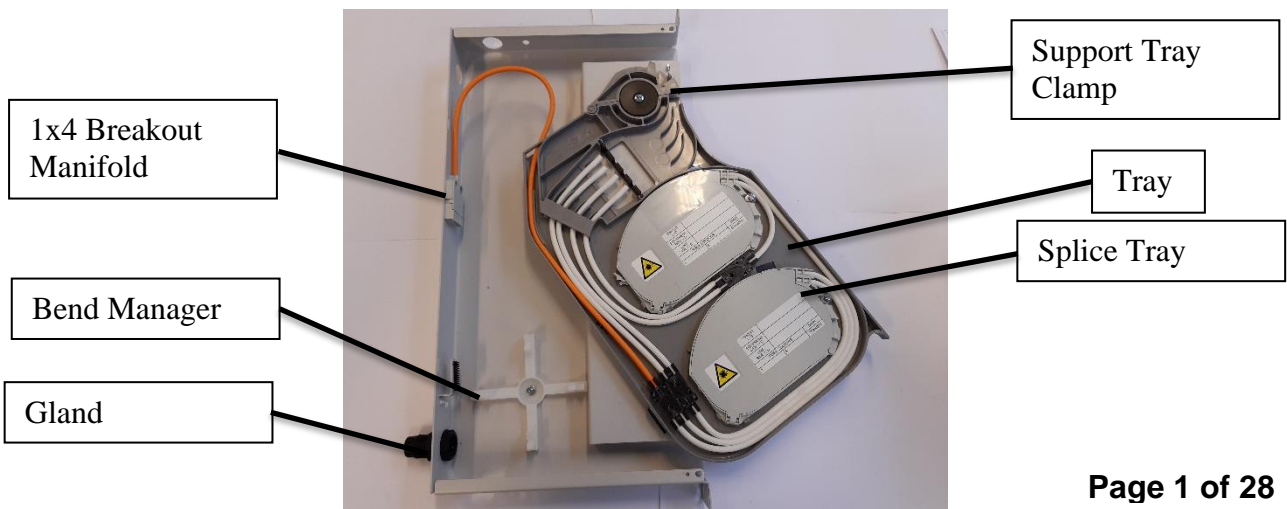
PRYSMIAN HELPLINE: + 44 (0) 78161916333 connectivity.help@prysmiangroup.com

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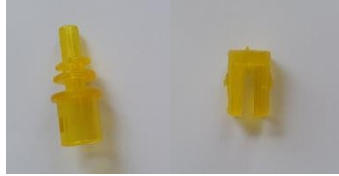
Overview



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Component Parts (pictures not to scale)

Aramid Restraint Kit



Transport Tube



Heat Shrink



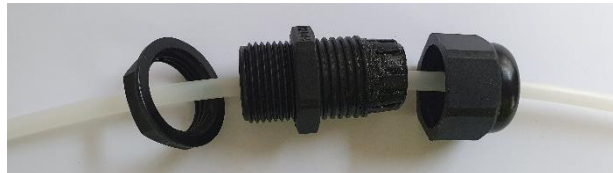
Fibre Guide Pin



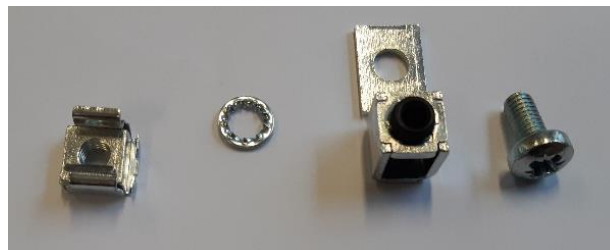
Grommet (for 20mm hole)



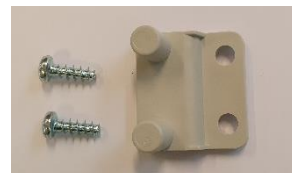
Gland - M20



Strength Member:
M4 Screw
M4 Nut
Shake proof Washer
Dual Lock Strength
Member



ETSI Mounting Bracket:
M6 screw

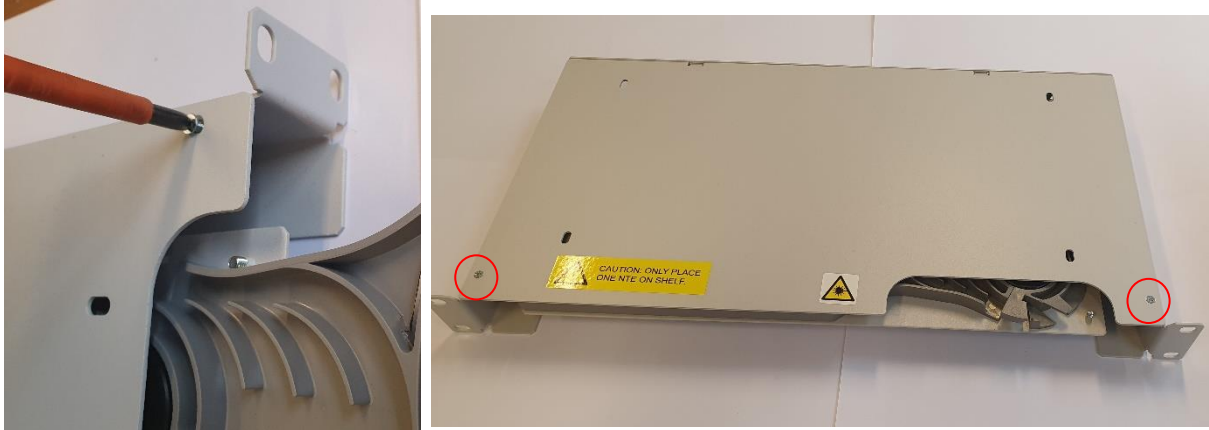


Self-adhesive Labels

Fibre Guide

Internal COF- Step 1

Step 1



Remove top panel using a Philips head screwdriver

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Step 2



Fit a cable gland on any location as appropriate.

It is easier to install the cable without the top cap secure

Step 3



Fit the strength member clamp using the M6 bolt, cage nut and shake proof washer in the location suitable to the cable gland.

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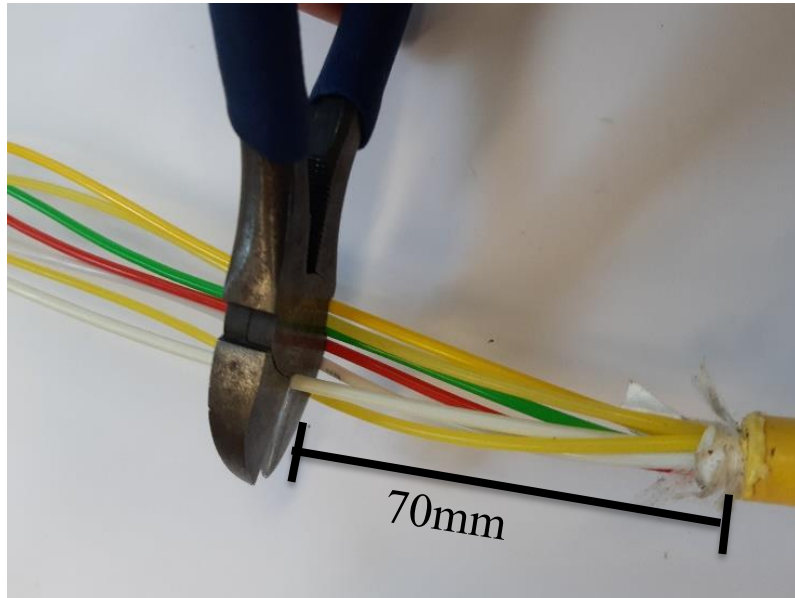
Step 4



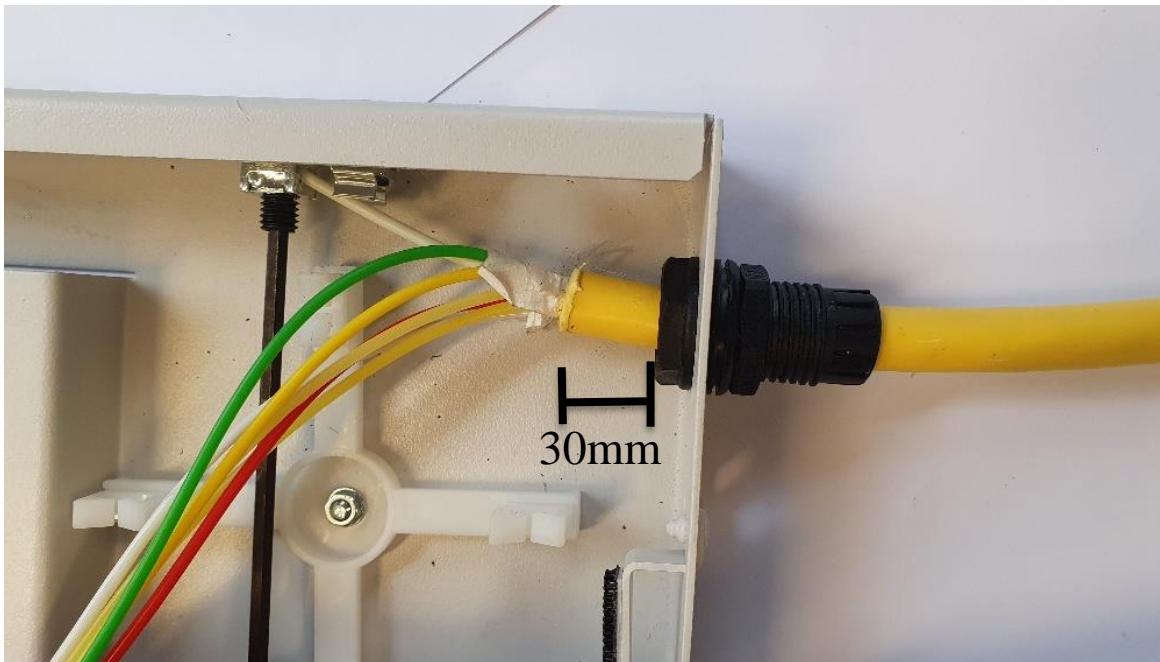
Strip the cable 3.2m from the end.

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Step 5

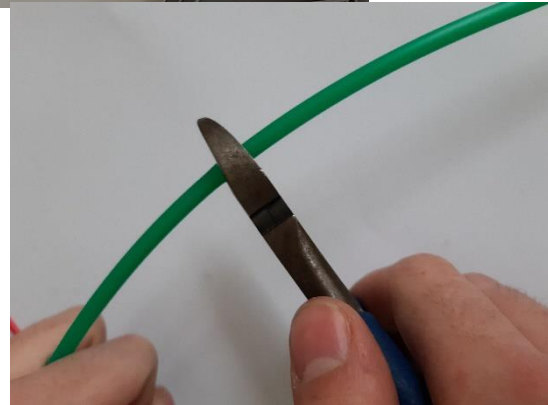
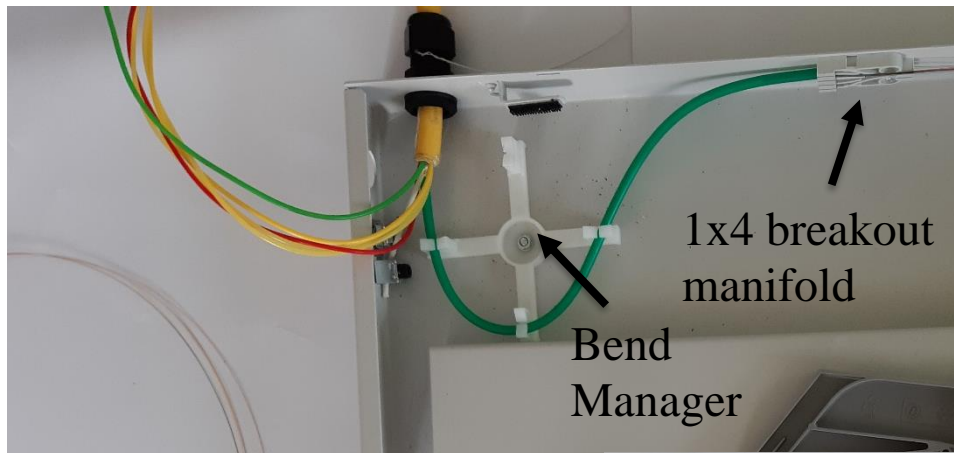


Cut the centre strength member
70mm from the butt.

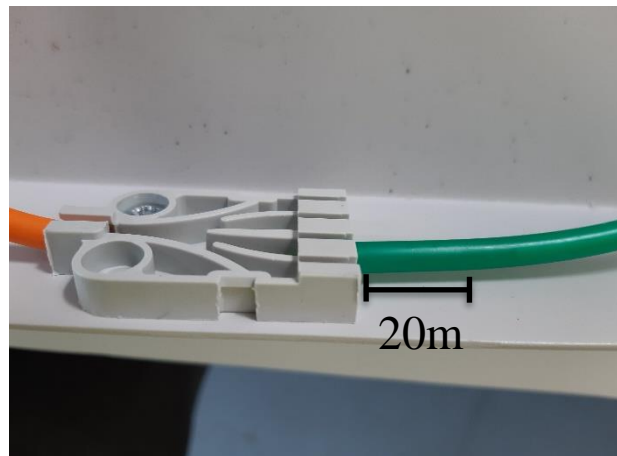


Feed cable through the gland until butt projects 30mm through gland. Locate central strength member in clamp and lock by tightening the grub screw using the 4.5mm Allen Key

Step 7



Cut a length of the 5mm transport tube to suit the route from the cable butt to the 1x4 breakout manifold via bend manager



Strip the element tube 20mm shorter than the transport tube. Over sleeve fibres with transport tube in bend manager and 1x4 manifold

Step 9



Route fibres from the 1x4 manifold via orange tube and onto the splice trays. Store fibres ready for splicing. (orange tube may need to be removed for routing through)



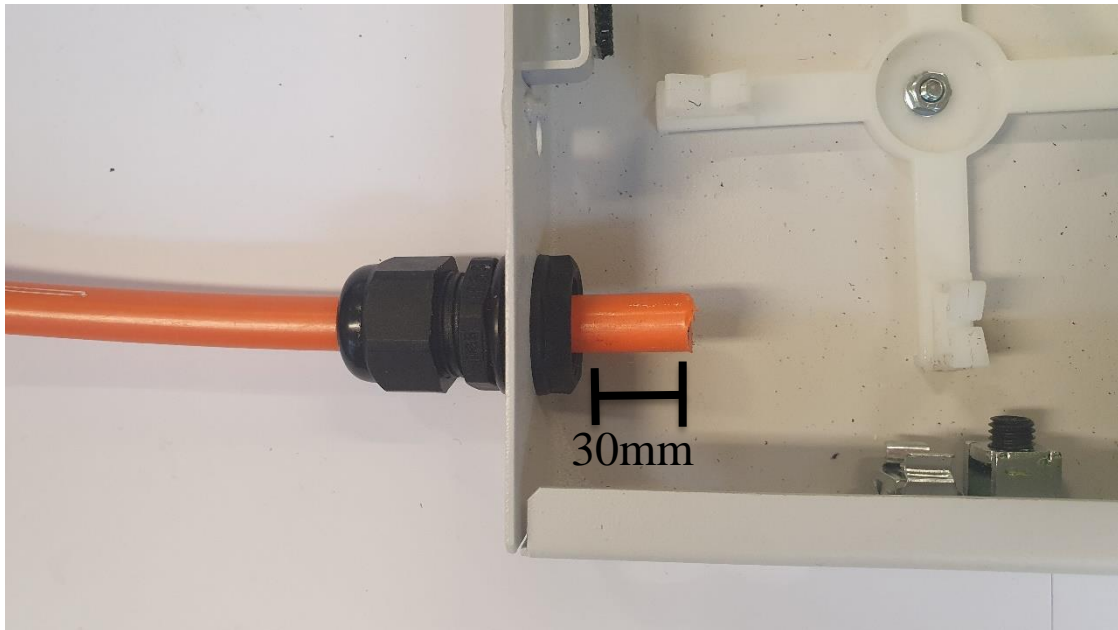
Refer to steps 1-2 of 'Internal COF'



Make a butt mark on the cable sheath at the cable gland.

Cut the cable 700mm from the mark and remove the sheath to the butt.

Step 3

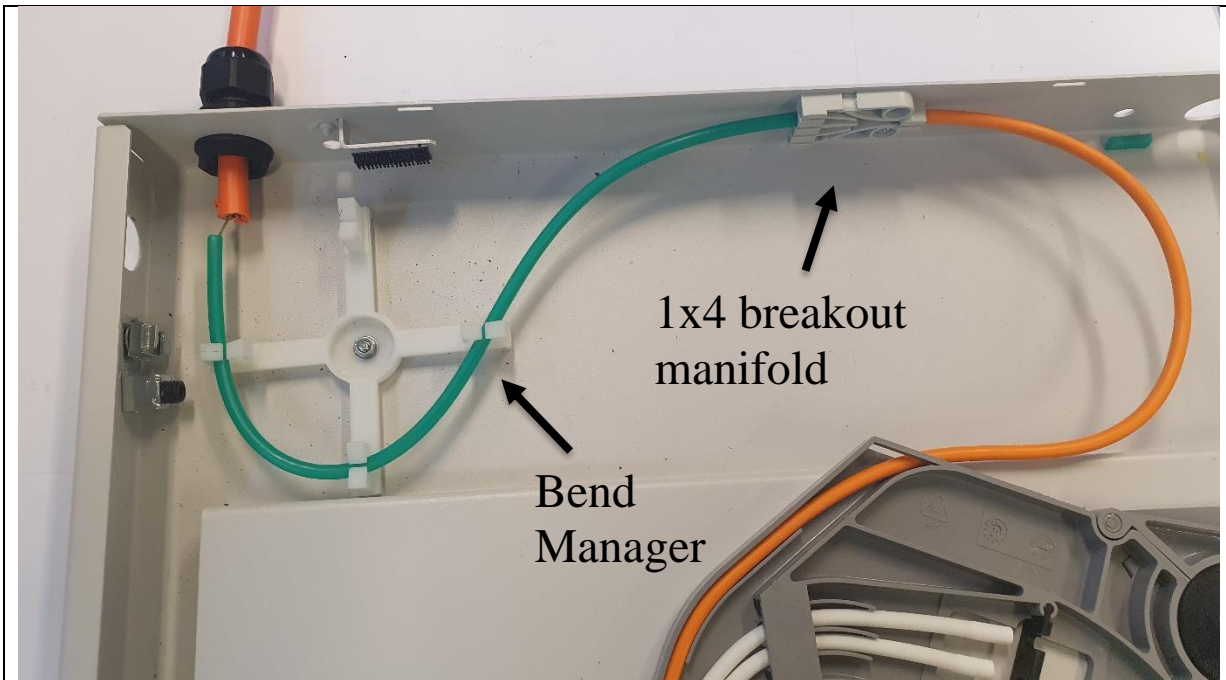


Feed the cable through the gland until the butt projects approximately 30mm through the gland.

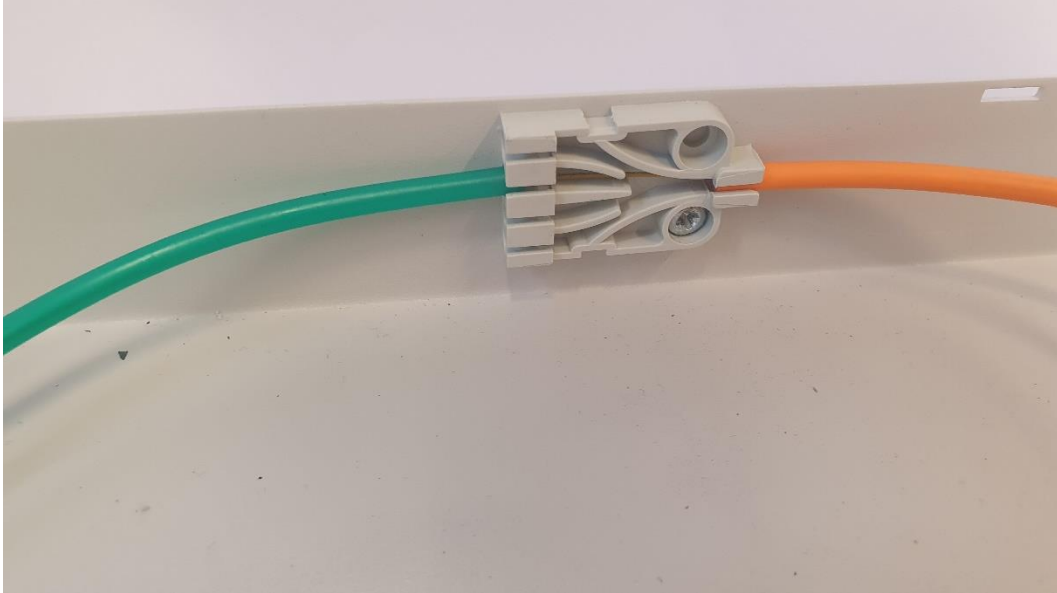
Make sure the gland is tightened after insertion.

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Step 4

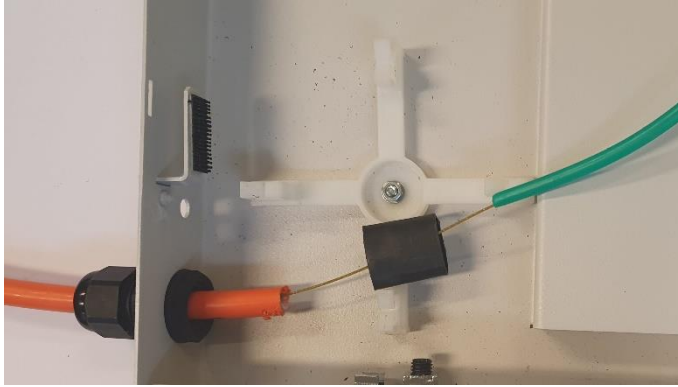


**Route tube(s) via the bend manager
to the 1x4 manifold**

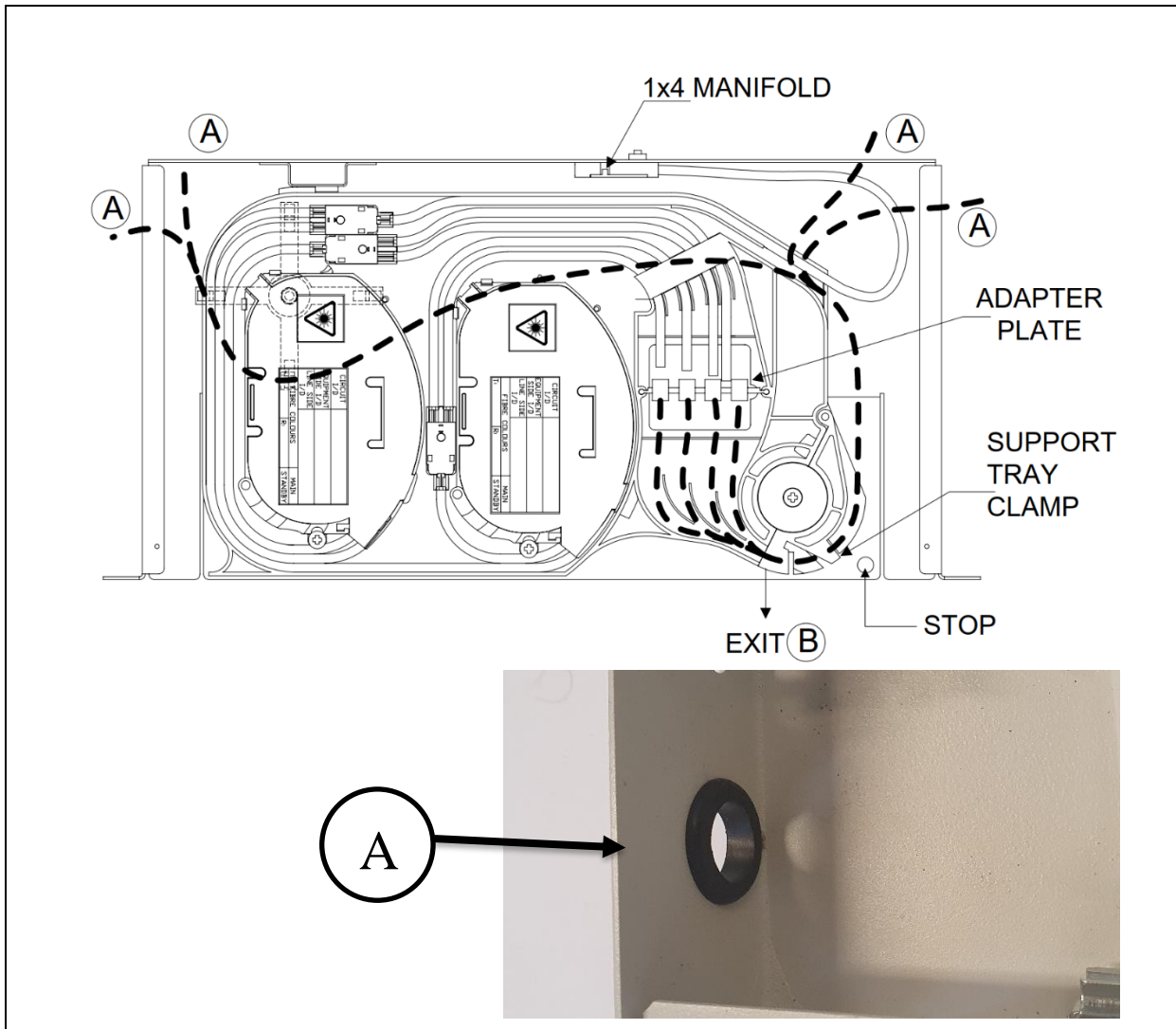


Install BF unit(s) into the tube(s), allowing a minimum of 2.5m of fibre to exit the tube(s).

Refer to Step 9 of the internal COF



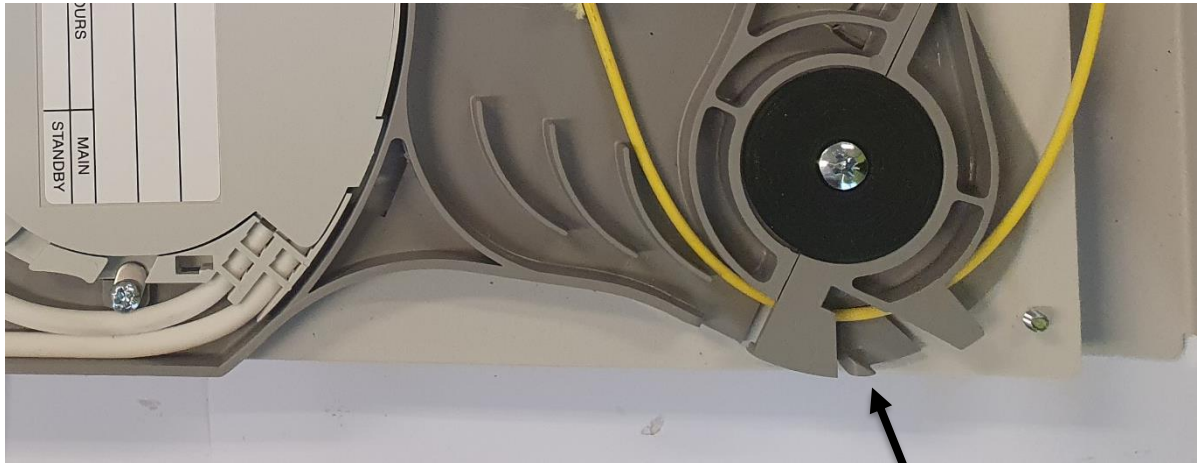
For street side applications heat shrink can be fed over the transport tube and cable.



Choose a suitable routing location, if the rear holes are used (A) then fit the grommet into on one of the positions

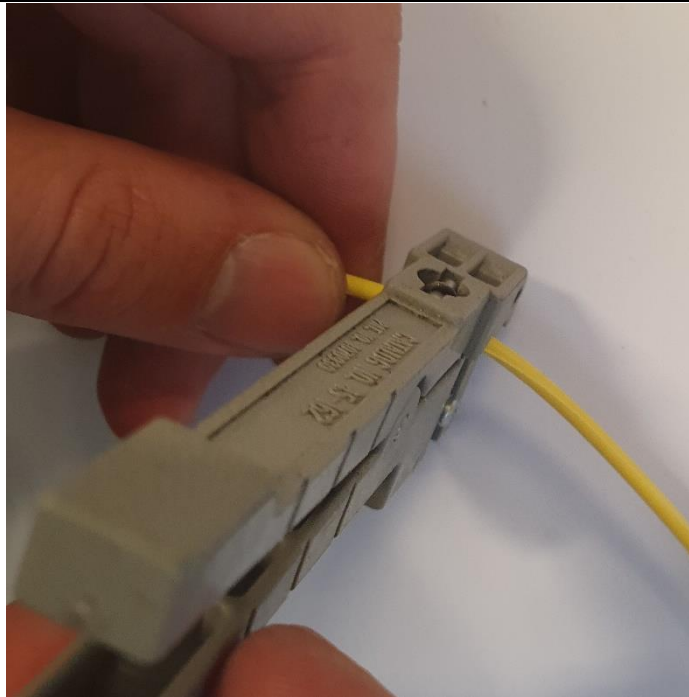
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Step 2

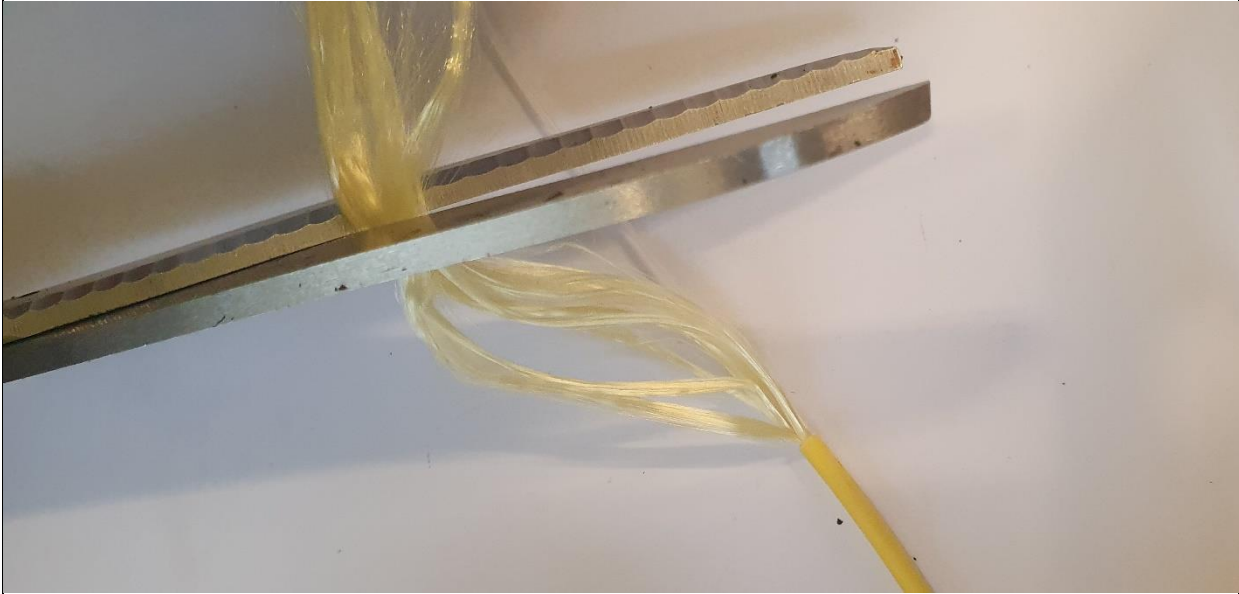


Support tray clamp

If the rear positions are used, then route the cables around the support tray clamp.



Mark the cable sheaths at adapter plate. Cut the cables a minimum of 2.0m from the butt mark and remove sheath.



Cut the aramid yarn 15mm from the butt

Step 5

Outer Body

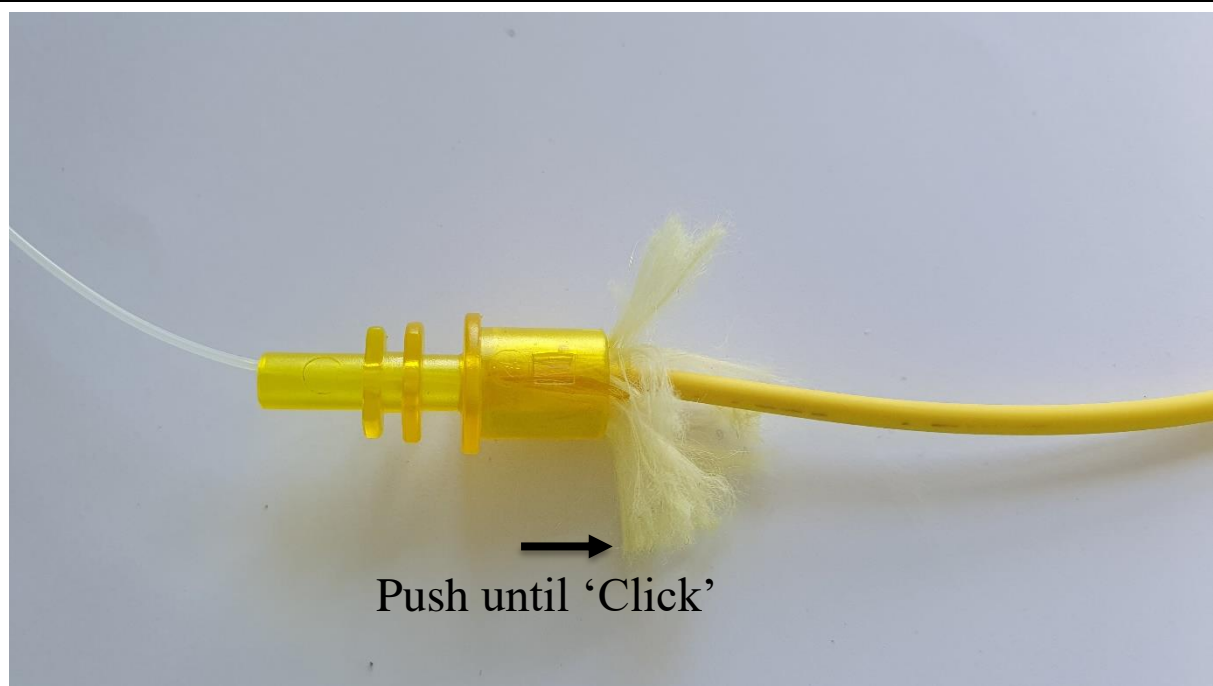


Inner Body



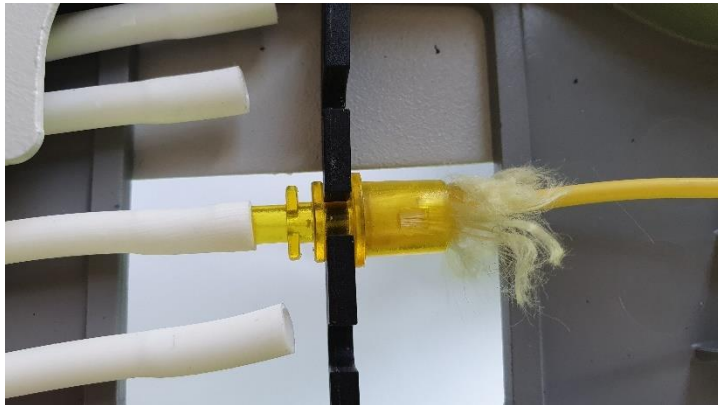
Feed the inner body over the cable and yarn, positioning it past the sheath butt mark with the slotted end facing the cable.

Splay the Aramid as shown, evenly distributed.

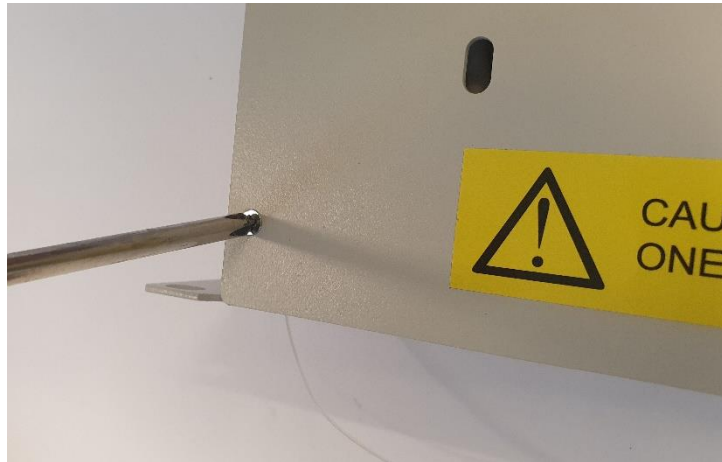


Slide the outer restraint body over the secondary coated fibre and push it into the inner body making sure to align the holes of the outer with the barbs on the inner, ensuring the yarn is evenly distributed. An audible click is heard when the barbs locate the holes correctly.

Step 7



Route fibres into the splice trays through the tubes. Lock the restraints into the adapter plate.



Replace the splicing shelf cover and tighten the two M3 screws.

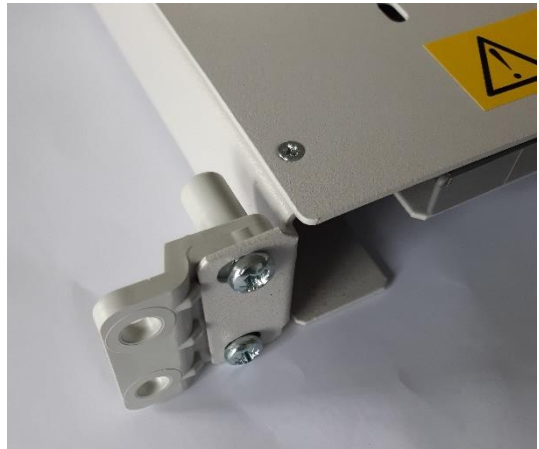
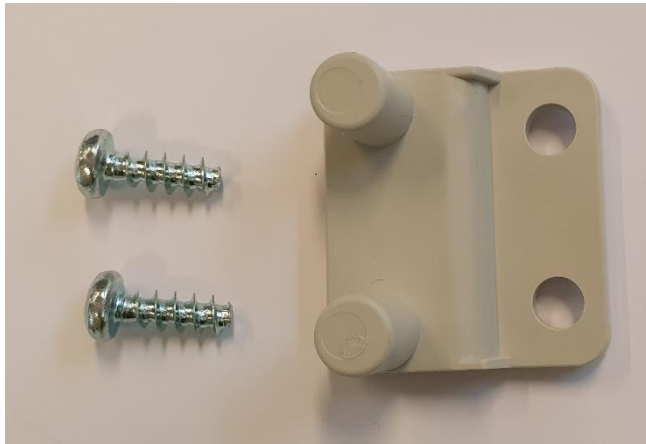
Write the circuit information onto the self-adhesive labels and fix to the front of the support tray.



Fit the four M4 nuts into the rack uprights if required.
Fit the shelf in position using four of the M6 x 12 screws

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Installation onto rack (ETSI)



If the unit is to be installed in an ETSI rack, then fit the two adapter brackets to the unit and then install onto rack as previous.

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