

Assembly Instructions

FTTH connection socket UP / hybrid

1. Cutting the cable to the correct length (FOC / Cu)

Lead out the existing Cu cable with the FTTH cable through the input receptacle. The cable is then cut as follows:

Pipe entry, left: FOC=97cm/Cu=102cm

Pipe entry, top: FOC=103cm/Cu=108cm pipe entry,

bottom: FOC=93cm/Cu=98cm

Pipe entry, right: FOC=89cm/Cu=94cm



2. Connecting the Cu module (if available)

Depending on the module, connect appropriately. The following modules are available:

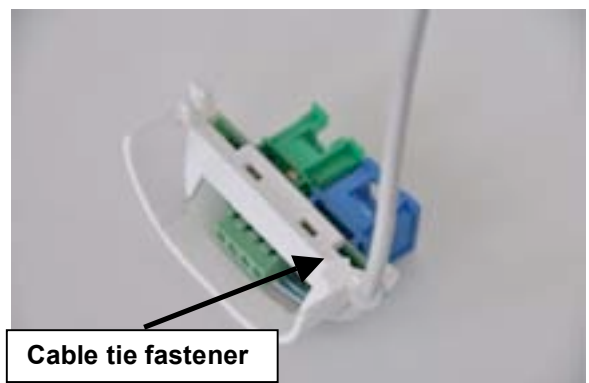
BB/DSL, telephony separate, telephony parallel, telephony/Fast Ethernet, Fast Ethernet/Fast Ethernet

Route the Cu cable in the same direction as the FOC cable. Cut off the individual Cu wires to different lengths in increments of approx. 3.5 mm.



3. Fastening the Cu cable

Fasten the Cu cable at the side using the small cable ties. When doing this, ensure that the fastener is located at the inner side of the module.

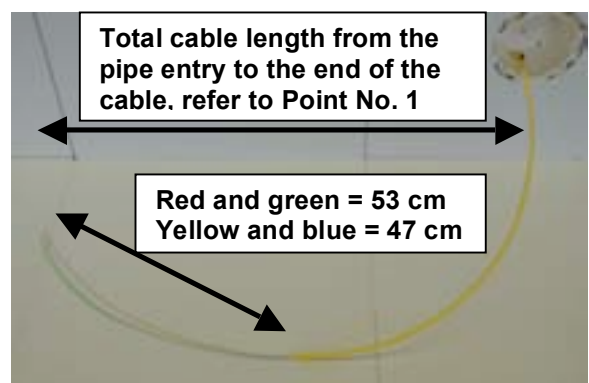


4. Stripping the cable sheath (FOC)

Measure the FOC cable sheath from the end, mark using a felt tip pen and remove the sheath. The length that must be removed: 53 cm. This means that all of the glass fibres have exactly the same length. Fibres No. 3 (yellow) and No. 4 (blue) are now cut back by an additional 6 cm. The following lengths are thus obtained:

No. 1 (red) and No. 2 (green) = 53 cm

No. 3 (yellow) and No. 4 (blue) = 47 cm



5. Cutting the pigtails to length

The pigtails are cut to length as follows:

- Fibre No. 1 (red) = 40 cm
- Fibre No. 2 (green) = 40 cm
- Fibre No. 3 (yellow) = 45 cm
- Fibre No. 4 (blue) = 45 cm



6. Preparing the fibres (shrinkable tubing)

- Push the shrinkable tubing over the cores
- Strip the cable core and coating using a suitable stripping tool (e.g., Miller)
- Clean the fibres using alcohol and a cleaning cloth
- Cut the fibres cleanly using a cleaver
- Splice the fibres
- Push the shrinkable tubing over the splice location
- Shrink the shrinkable tubing in a special oven

7a. Fastening the FOC

As shown in the photograph, introduce the cable into the splice cartridge and attach to the right-hand side using a small cable tie.

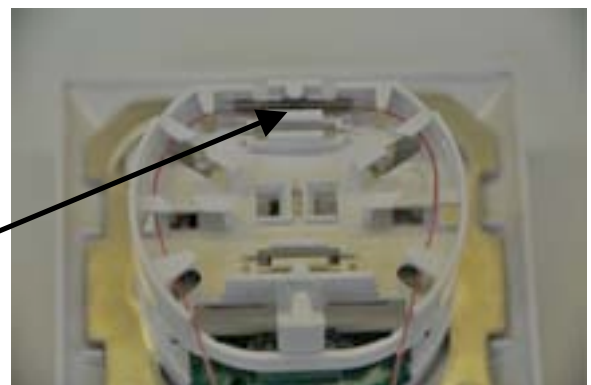
Caution: Cable tie – fastener must not be positioned in the splice cartridge.



7b. Positioning the splice protection

After the cable has been fixed to the splice cartridge, snap the splice protection into the cartridge.

When doing this, it is important that the splice protection is placed precisely at the centre of the comb element.



7c. Inserting the core and pigtail

With the same direction of rotation as the cable, insert fibre No. 1 (red) and No. 2 (green) together into the splice cartridge. The cores should be located under the lugs provided (inner guide).

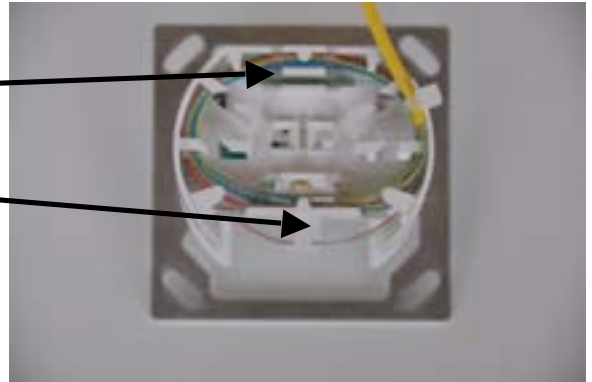
Once the fibres have been inserted, the pigtail connectors are inserted into the couplings. During this step, place the pigtails in the outer guide for the last 5 cm or so.



The two reserve fibres should then be placed under the lugs.

Inner guide

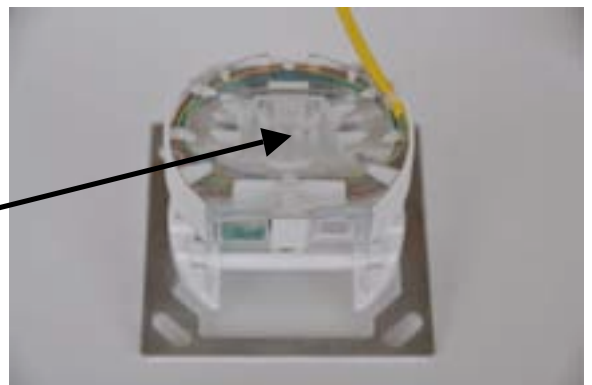
Outer guide



7d. Fastening the cover

In order that the fibres are not damaged when being installed in the input receptacle, the transparent splice cartridge cover must now be attached and snapped into place.

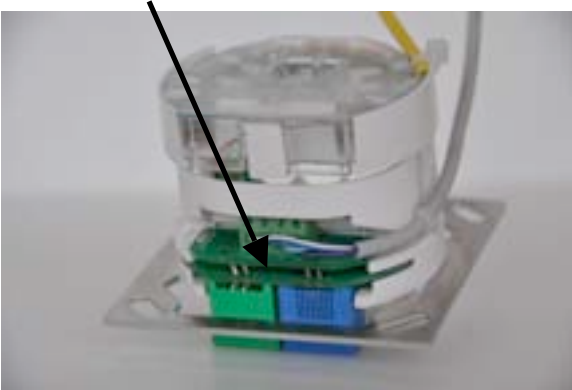
When snapping the cover into place, carefully ensure that none of the fibres are caught and crushed.



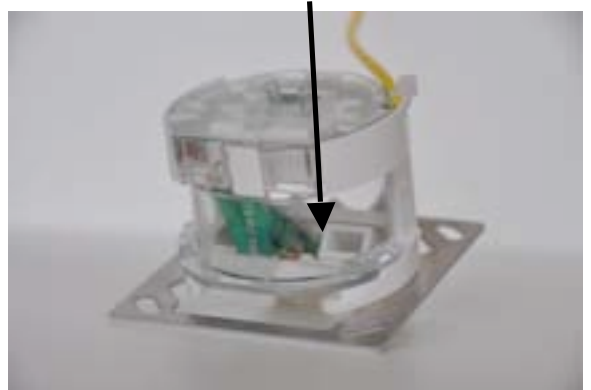
8. Placing the Cu module / transparent fibre protection

The Cu module (if available) or the transparent pigtail protection is now placed from the top. If a Cu module is being used, then the final fixing takes place when the cover plate is attached.

View with Cu module



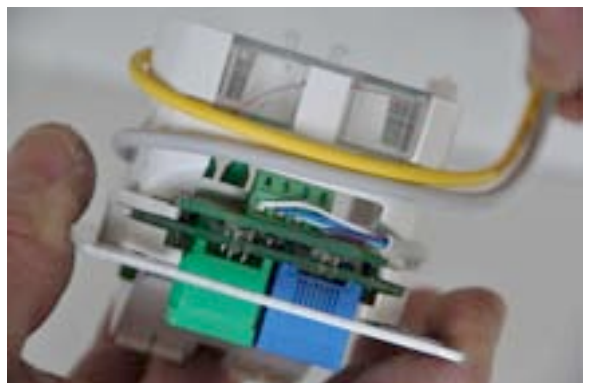
View with transparent fibre protection



9. Winding the cables

If a Cu cable is being used, now wind both cables in parallel. When doing this, ensure that the two cables do not cross over one another.

The cable is now wound with 2–2.5 turns (this depends on the position of the pipe entry). When doing this, the socket is brought incrementally closer to the input receptacle and then finally placed there.



10. Mounting on the input receptacle

The socket is now placed in the input receptacle and fixed in place using countersunk head screws.

Please ensure that none of the cables are kinked or crushed.

11. Cover frame, cover plate, labelling

Fastening the cover frame.



Place the label in the corresponding labelling field and close the transparent window until it snaps into place. You can reopen the window using a size 2 screwdriver.

12. Removing the pigtail connector

Release the latch at the LC/APC connector using a small screwdriver. You can now carefully withdraw the pigtail.

13. Removing the LC coupling / dummy coupling

Using your thumbs, press on the coupling / dummy coupling from below. Using a screwdriver, simultaneously release the catches at the left and right. The element can now be pushed out through the guide. Caution: Do not over-extend the catches.



Using the screw in the labelling field, the socket is now fastened.

