



MUC 315B



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Technical description:

The MUC 315B underground chamber offer a comprehensive solution for fibre splicing at distribution points in FTTx networks under the ground level. The optical distribution box is placed in an air pocket in the chamber to prevent the access of water to the distribution box. The chamber is designed for micro duct systems.

Typ: MUC 315B
Dimensions: Ø364mm, height 265mm
Weight: c. 7.7kg

Accessories:

Accessory bag 1pc

Declaration on product conformance:

The product was manufactured in compliance with valid technical documentation. An observation of designed technology procedures and material was followed according to the ISO 9001 standard.

Warranty:

The manufacturer guarantees for product imperfections arised within period of warranty due to the demonstrably deficient material, error in design, or deficiencies in manufacture. Such a deficiencies shall be repaired by the manufacturer free of charge. The manufacturer is authorized to reject the complaint if the item was demonstrably damaged due to an unqualified infringement, rough manipulation, or by force majeure. The warranty period is 24 months (if not stated other way) starting from the date of product consignment to the customer. The warranty covers the product capability and conformance with agreed, or usual purpose.

Note:

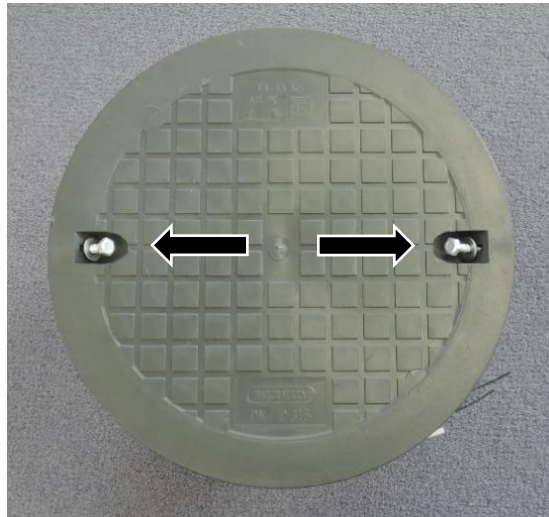
The product design may vary according to the requirement of the customer. The weight of single product execution may vary. Manufacturer is authorised to develop its products according to the requirements of the customer. Recording of all developing changes in this document is not necessary. Picture is only informative.

[Installation video on You Tube](#)



Assembly procedure:

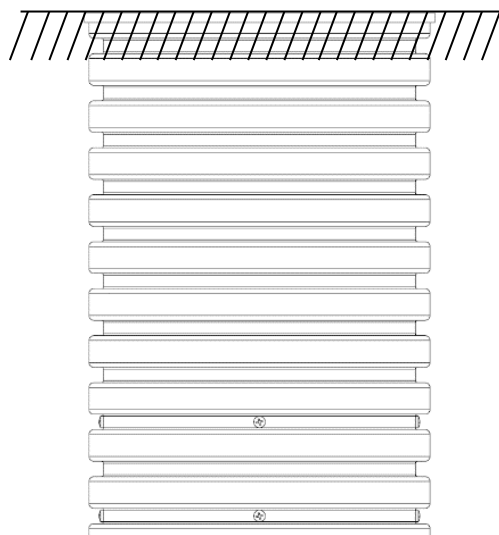
1. Remove the chamber lid to loosen the bolts.



2. Dismantle the bell after loosening the screw and remove the bell with its accessories.

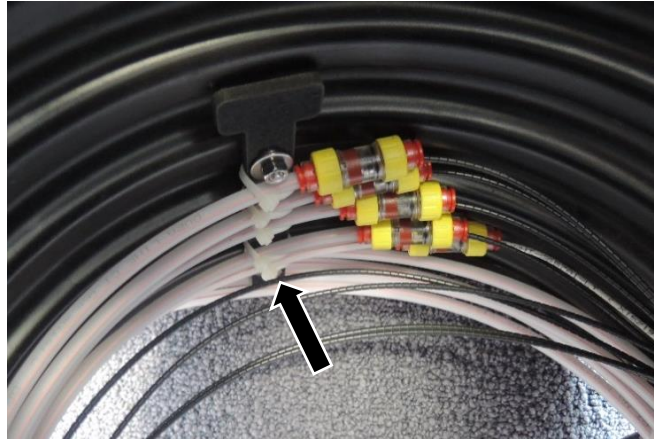


3. Place the underground chamber into the ditch on a sand bed of 5 to 10 cm thickness so that the upper edge of the chamber is on the level of the ground. Compact the sand bed properly. When backfilling the pit, compact the soil in layers of 30 cm.





4. Insert microducts. After blowing the cables, install water/gas blocks and attach the ducts with cable ties to the holders. Mark the ends of the cables properly and bundle the cables at intervals of 0.5 meters. Bundling shall be done from the microducts to the box.



5. Attach the seal on the outside of the distribution box at the point of the bushing installation.



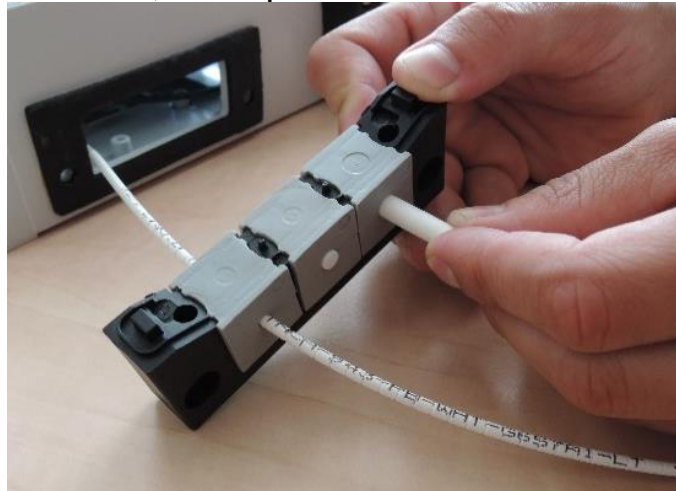
6. Remove the cable sheathing in the required length and insert the exposed buffers (buffer loops) in the distribution box.



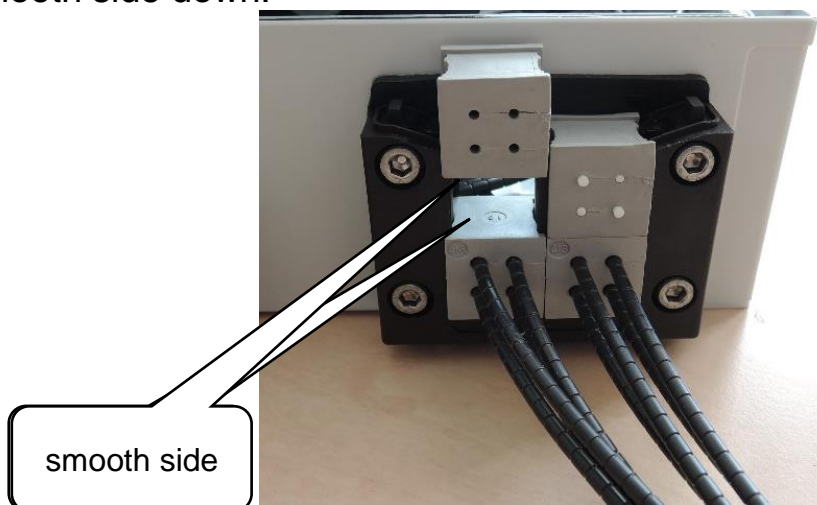
7. Pull the bushing insert on the cable sheathing at the point where it passes through the distribution box wall. Apply a layer of gel on the contact surfaces of the bushing insert and the cable sheathing.



8. Put the inserts into the frame and blind unused holes. Caution: When putting the insert into the frame, the top surface must be smooth.



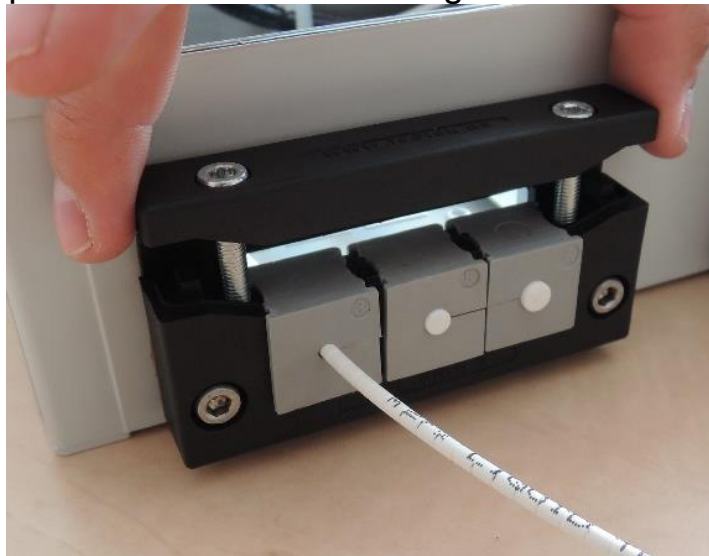
9. If bushings with inserts in two rows are used, place the top row with the smooth side down.



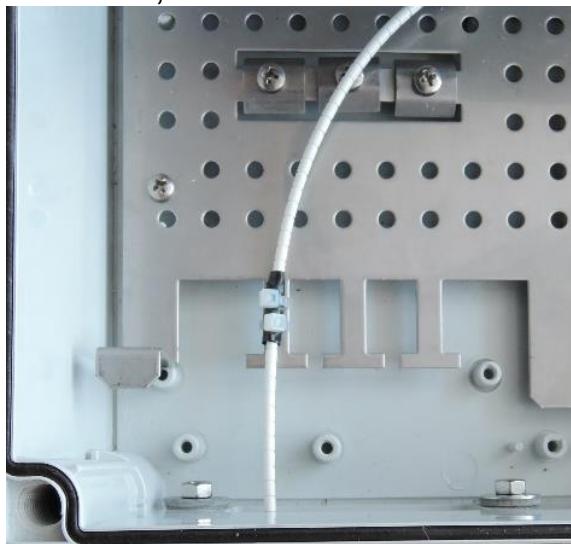
10. Attach the bottom part of the bushing to the wall using screws, washers with rubber sealing and nuts. Caution: Do not tighten the nuts.



11. Install the top part of the frame. Do not tighten the screws.



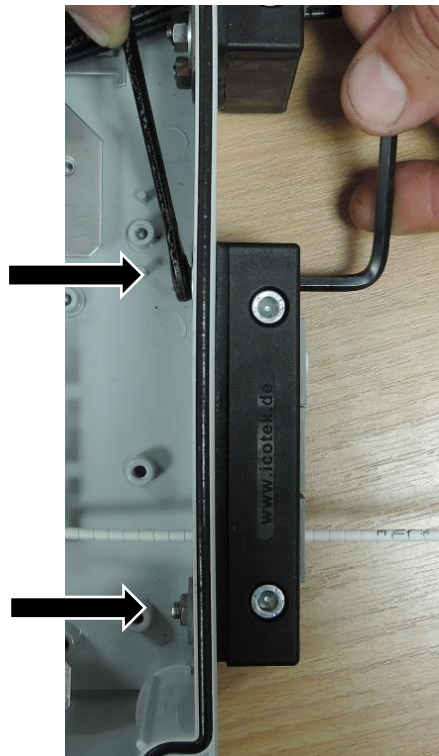
12. Fix the cables by cable ties, or attach tension elements.



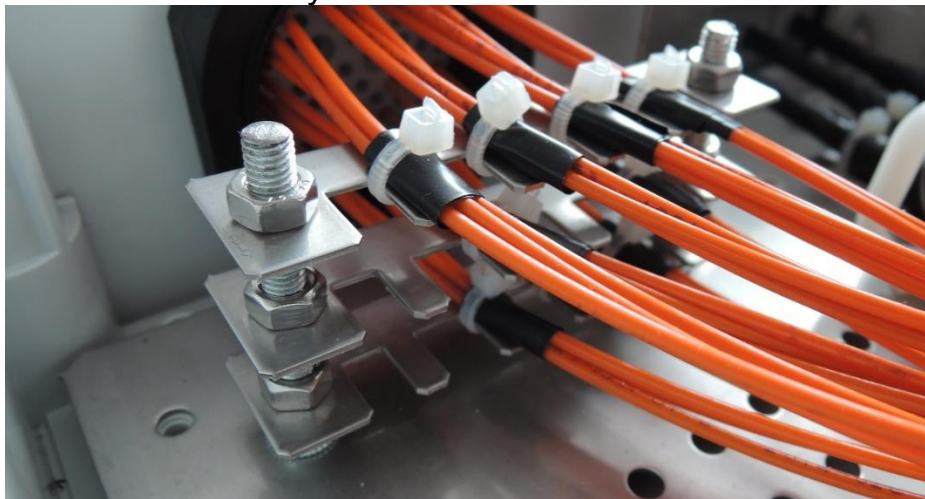
13. Tighten the screws on the top frame.



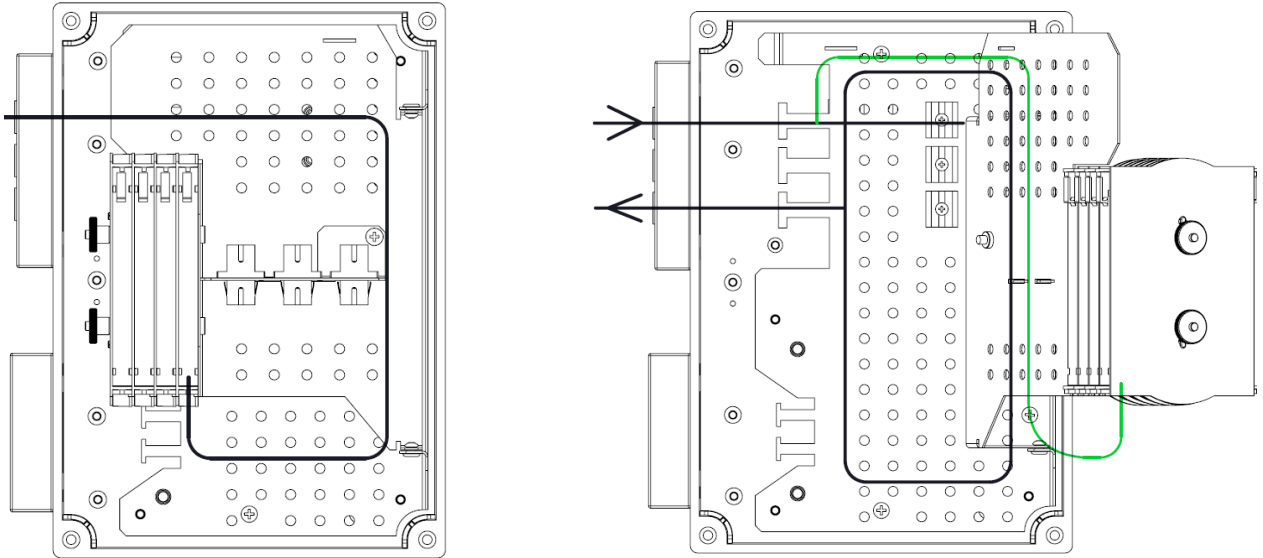
14. Tighten the nuts.



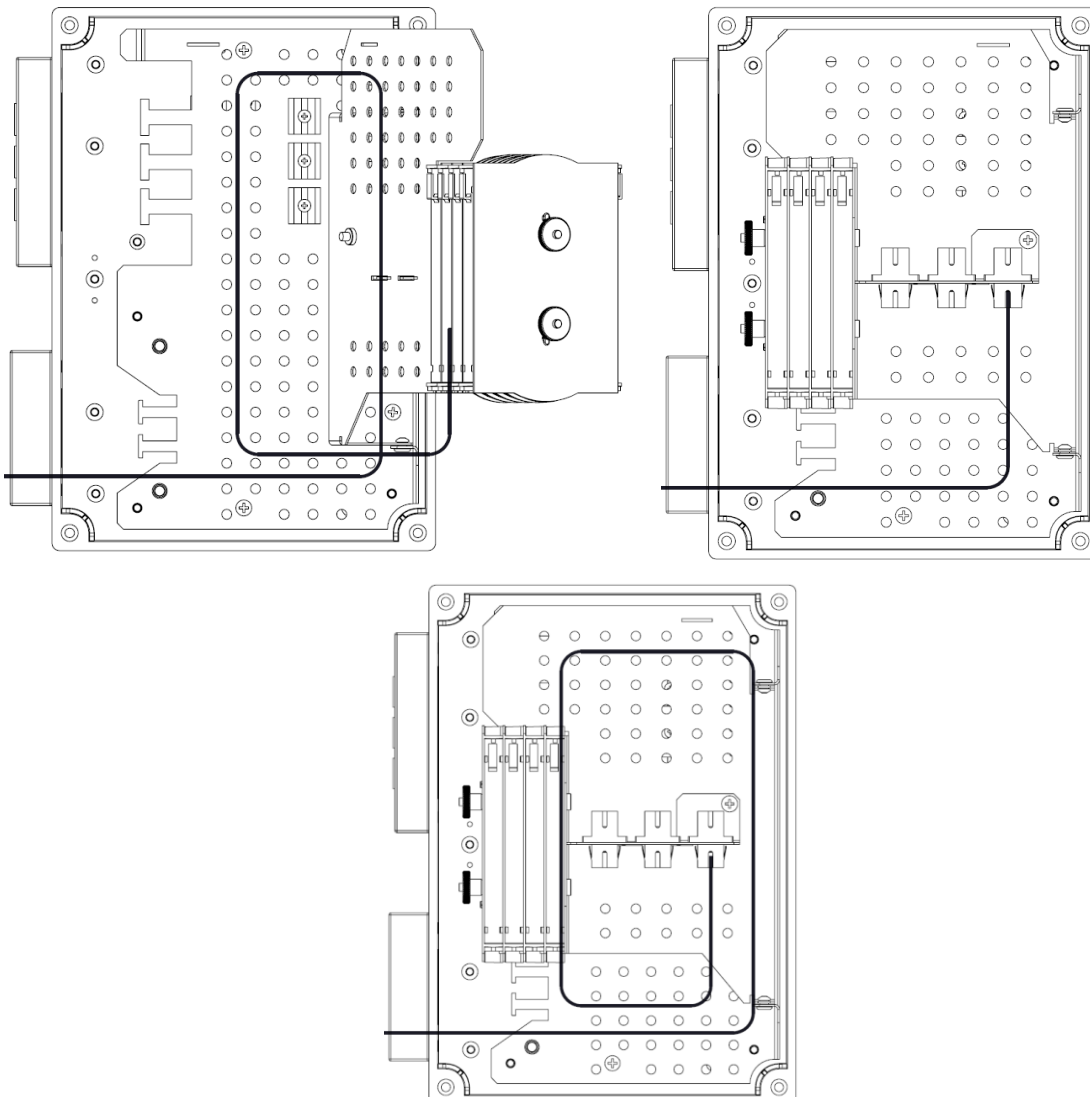
15. Assemble the holder of drop cables (see the accessory bag) as shown in the figure and fix the cables by cable ties.



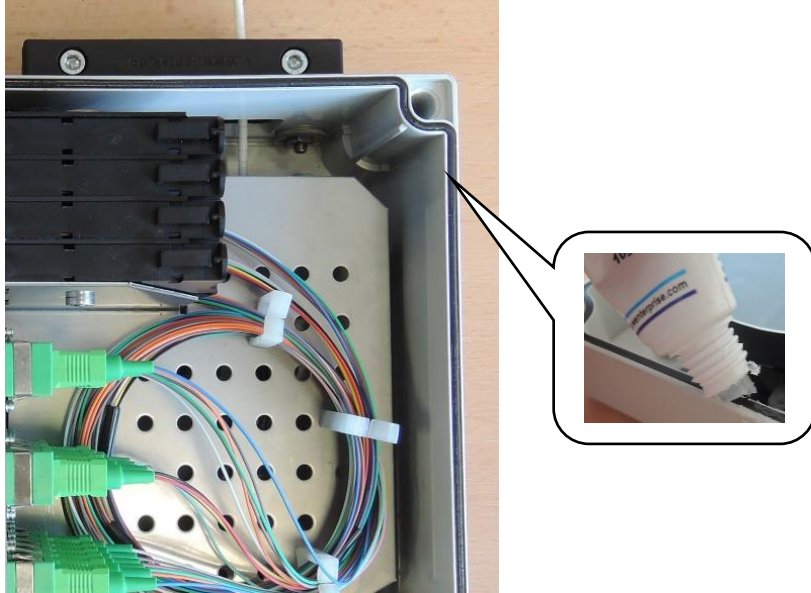
16. Place the reserve supply cable (through cable) into the eyes (located as required). Insert the incoming fibres in the trays. Fit the connector panel with pigtailed reserves; place the pigtail reserves in the eyes and insert them in the trays.



17. Insert the reserves of drop cables in the eyes and place them in the trays. If you use drop cables with connectors, plug them into the adapters and place the fibre reserves in the trays.



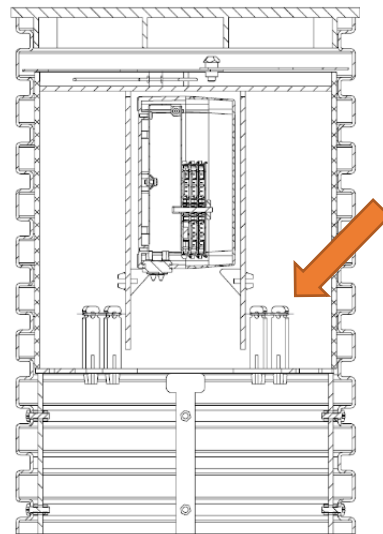
18. Place the splices and optical fibre reserves into the trays and replace the top tray lid. Keep the prescribed length reserves and observe the minimum bending radius of the optical fibres.
19. Place a desiccant bag into the distribution box (see the accessory bag). Apply a layer of gel on the rubber gasket of the distribution box (see the accessory bag). Replace the lid and tighten it properly with the plastic screws.



20. Place the cable reserves in the rings on the plastic bottom and secure them with rubber rings.

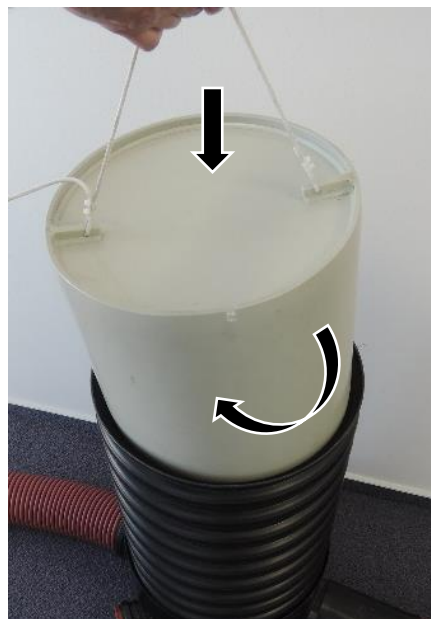


21. Insert the bottom with the wound up cable reserve into the chamber. Check its tight fitting to the micro duct holders.



22. Insert the distribution box in the holder inside the bell.

23. When inserting the bell into the chamber, turn the bell so that cable reserve is deposited spirally into the chamber.

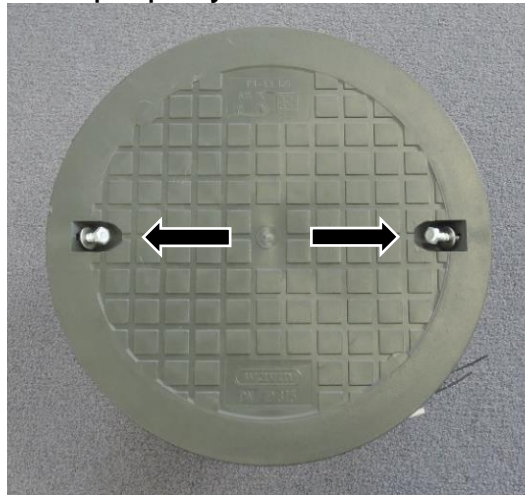


24. Install the locking element and secure it with a screw.





25. Replace the lid so that the locking screws fit into the holes in the chamber wall. Tighten the screws properly.



26. The operations specified in paragraphs 1–25 may only be performed by an authorised technician.

