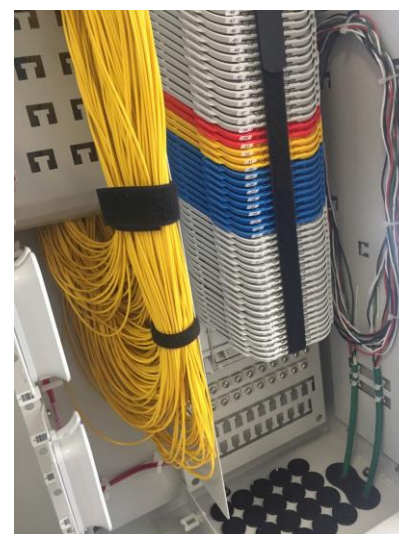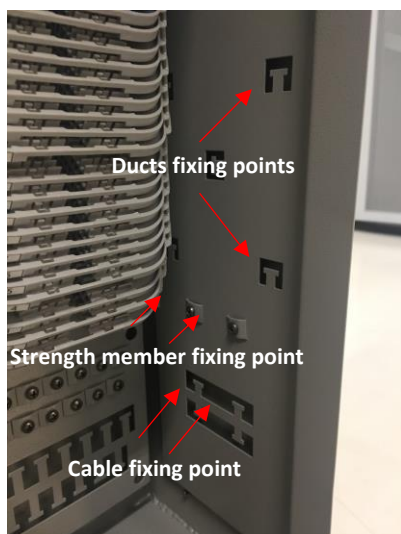Out Line

SCP CABINET

Summary

1) Installing the cabinet on the concrete base

To fix the cabinet on the concrete base, proceed as follows:

- place the cabinet on the concrete base matching the cabinet bottom holes with the threaded rods;
- open the lower cable handling compartment, removing the n.2 frontal screws accessible only after opening the cabinet's door;
- verify the correct placement of the cabinet, in particular the possibility to completely open the door;
- place n.4 flanged nuts one on each threaded rod and tighten them with the appropriate tool.

2) Fixing of a passing-through cable

Ducts fixing points

Strength member fixing point

Cable fixing point

To fix a passing through cable (loop cable), proceed as follows:

- remove the oval cable gland from the metal plate;

- pass the cable through the metal hole, for at least 3m;

- pass the cable through the gland, after cutting it according to the cable diameter;

- unsheathe the cable for a length of about 2.5m;

- free all the FO ducts from any fixing element for all the 2.5m unsheathed length;

- cut the strength member, leaving about 10cm on both sides to fix it;

- select the duct (or ducts) of the FO to be used in the cabinet and cut it in order to have about 2m of FO;

- prepare all the other ducts in a circle (loop) of about Ø20cm and fix it with tie wraps on the side panel;

- push back the cable to fix the strength members in the pre-installed metal clamps;

- fix the strength member to the clamp, considering that the cable's sheath must be fixed on the T-shaped metal elements. Eventually cut the exceeding strength member;

- fix the cable's sheath to the T-shaped elements using a plastic tie wrap;

- place the cable gland on the relative hole on the metal panel;

- route the FO ducts left for use in the specific fasblock fixing area;

- mark the ducts above the fixing area and unsheathe all the exceeding length;

- clean the FO from gel;

- fix the ducts inside the fasblock and route the FO to the relative splice tray in accordance to the customer's requirements.

SPLICE TRAYS CONFIGURATION (from the top):

- o Distribution GPON splices area: 22 blue trays.
- o Aggregation GPON splices area: 2 grey trays.
- o Aggregation termination area: 3 yellow trays.
- o P2P splices area: 9 red trays.
- o Distribution termination area: 20 blue trays.
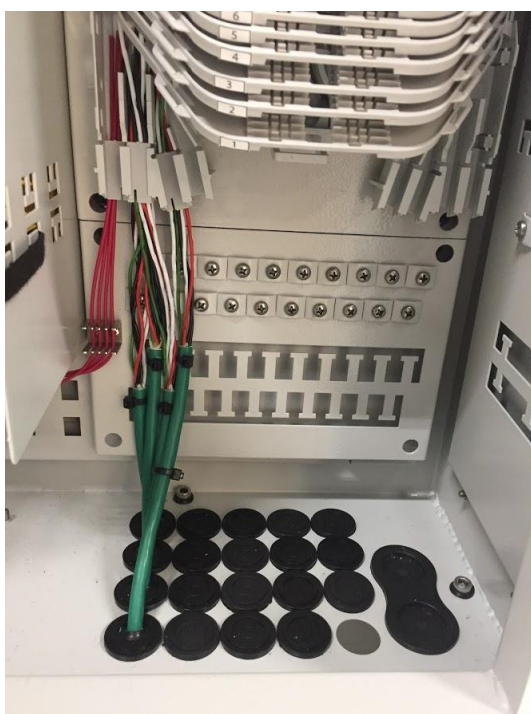
3) Input/Output cable fixing

To fix an input/output cable, proceed as follows:

- remove the chosen cable gland from the metal plate;
- pass the cable through the metal hole, for at least 2.5m;
- pass the cable through the gland, after cutting it according to the cable diameter;
- unsheathe the cable for a length of about 2m;
- free all the FO ducts from any fixing element for all the 2m unsheathed length;
- cut the strength member, leaving about 10cm to fix it;
- push back the cable to fix the strength member in the pre-installed metal clamp;

- fix the strength member to the clamp, considering that the cable's sheath must be fixed on the T-shaped metal elements. Eventually cut the exceeding strength member;
- fix the cable's sheath to the T-shaped elements using a plastic tie wrap;
- place the cable gland on the relative hole on the metal panel;
- route the FO ducts in the specific fasblock fixing area;
- mark the ducts above the fixing area and unsheathe all the exceeding length;
- clean the FO from gel;
- fix the ducts inside the fasblock and route the FO to the relative splice tray in accordance to the customer's requirements.
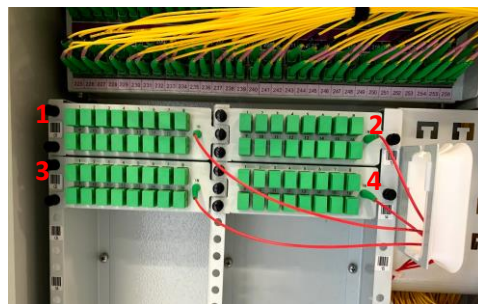

Example photo of the first 4 cables

4) Add/cable an optical splitter

To install an additional splitters, do as follows:

- Place the splitter in the first available position (starting from lower numbers)
- Fix the splitter by pushing the black plastic rivets
- Route the input patch cord towards the termination area of the primary network, following the existing path as shown in the photos below
- Enter the fasblock
- entrare nel fasblock
- strip the fiber, removing the 900 µm sleeve inside the protected area of the fasblock
- place the entire extra length of the fiber inside the corresponding splice tray

5) Activation of a Household

To connect a Household (HH), do as follows:

- Establish which fiber to splice, using the table below (also pasted on the cabinet's door)
- Find the corresponding patch cord in the parking area and remove the connector's protection cap
- Connect the patch cord in the selected optical splitter output, after removing the adapter's cap

6) Replace a semi patch cord in the termination area

To replace a semi patch cord in the termination area, do as follows:

- Gently remove from the splice tray all the extra length of the broken fiber
- Remove all the straps/tie wraps up to the connector in the parking area
- Take out the connector from the parking/adapter and the semi patch cord from the cabling
- Insert the new connector in place
- Place the semi patch cord following the routing path of the others, up to the fas block's right side
- Fix back all the straps/tie wraps
- strip the fiber, removing the 900 µm sleeve inside the protected area of the fasblock
- place the entire extra length of the fiber inside the corresponding splice tray
- if the fiber was active, remake the splicing

7) Roof removal for future expansion

In case of future expansion in height, it is possible to remove the top cover (roof) to position an additional expansion element. Open the cabinet main door and remove the n.6 screw fixing the roof to the cabinet.

8) Reference documents

- Technical Specification "SCP"