Prysmian Group

INSTALLATION INSTRUCTION

Riser Box Multi Tray (RBMT)

Part Number:

RBMT equipped with 8 splicing trays XCPSC01221

RBMT equipped with 8 splicing trays and a lock XCPSC01294

RBMT equipped with 4 splicing trays, with a storage area XCPSC01159

RBMT equipped with 4 splicing trays, with a storage area and a lock XCPSC01293

Description

The Riser Box Multi Tray (**RBMT**) is designed for use within apartment blocks and mid/high rise office blocks. The unit houses either 8 splice trays or 4 splice trays with a storage area.
Each splice tray can accommodate up to 8 fibre fusion splices.
An in-line cable entry port enables the RBMT to be installed onto an in-line riser cable and up to 24 drop ports are available for drop cables of up to 5mm in diameter.
The inner tray module can be moved from left to right enabling the riser cable to be installed into the RBMT on either the left- or right-hand side.

SPACE ENVELOPE: (h) 176 x (w) 130 x (d) 60

Tools & additional products

Additional products	Prysmian Part No.
Heat Shrink splice protector (45x2,2mm)	XKTSC00050 (bag of 12) XPESC00053 (bag of 50)
Mechanical splice protector	XKTSC00121 (bag of 50)

Tools:
Long Nose Pliers, Flush Cutters, Small File, Screwdriver, 6mm drill bit

Component parts

Riser Box Multi Tray (RBMT)	**The RBMT is supplied with a base, cover, splices trays (according to the above PN), protection cover for the drop cables, lock (or not according to the above PN)**	**Quantity 1**
	**Cable tie 100 x 2.6mm**	**Quantity 4**
	An identification label + transparent protection covers for the identification label area	**Quantity 1**
	Wall plug + fixing screw	**Quantity 3**
	Installation guide	**Quantity 1**

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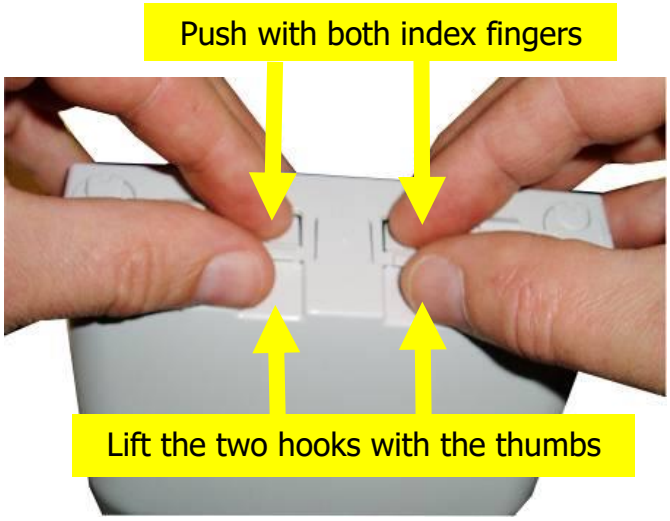
RBMT preparation and installation on a wall

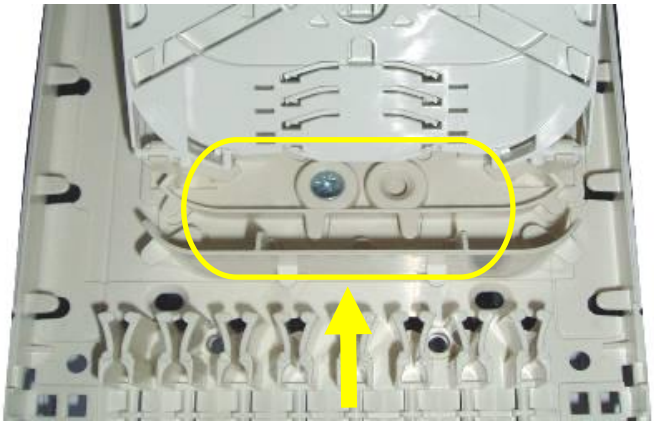
Step 1



- To release the main cover, as described on the above picture, push with both index fingers on the clips and at the same time lift the two hooks with the thumbs.

RBMT preparation and installation on a wall

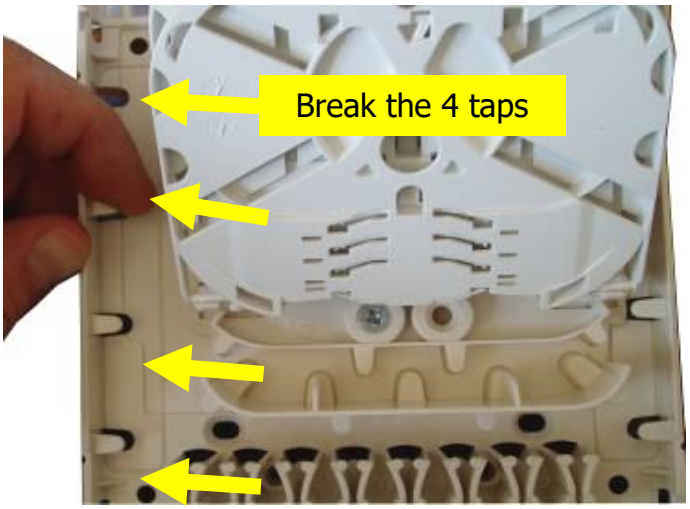
Step 2



- The splice trays insert is already set on the base such that the inline cable can be installed on the left end side of the RBMT.
- If the inline cable needs to be installed on the left end side use a a screwdriver to remove the screw as shown above, release the insert from the base.
- Use the second position available to fix back the insert onto the base with the screw.

RBMT preparation and installation on a wall

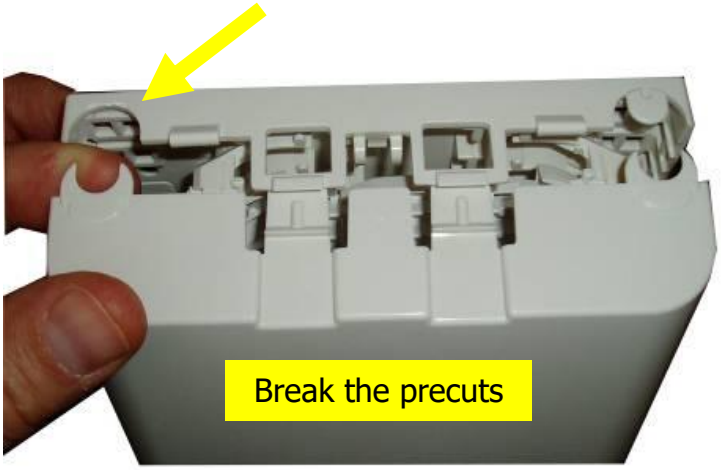
Step 3



- With the index finger Break the 4 precut taps.

RBMT preparation and installation on a wall

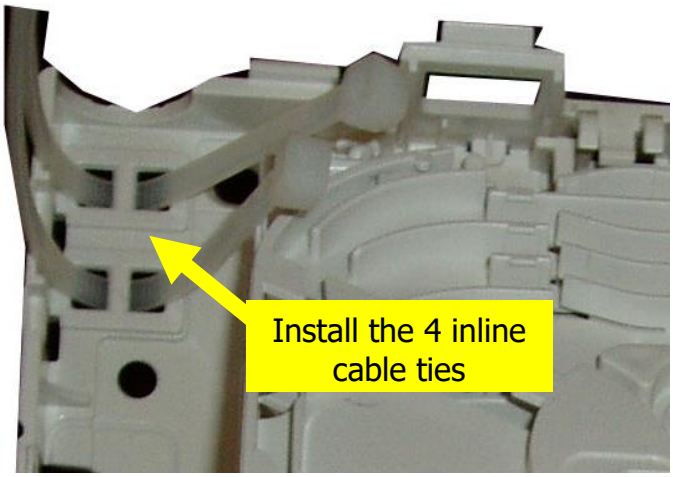
Step 4



- According the inline diameter remove the precuts on the base and on the main cover using a pair of long nose pliers.
- Grip the section and pull forward to break off.
- Repeat this operation also for the bottom entry.

RBMT preparation and installation on a wall

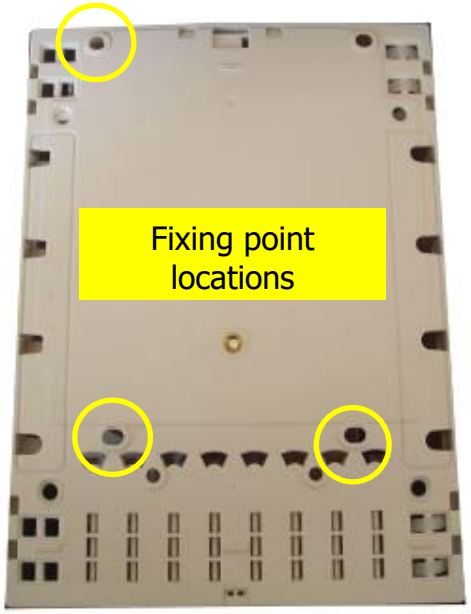
Step 5



- Install the 4 inline cable ties in position.
- Make sure the cable tie head are in the inside of the RBMT.

RBMT preparation and installation on a wall

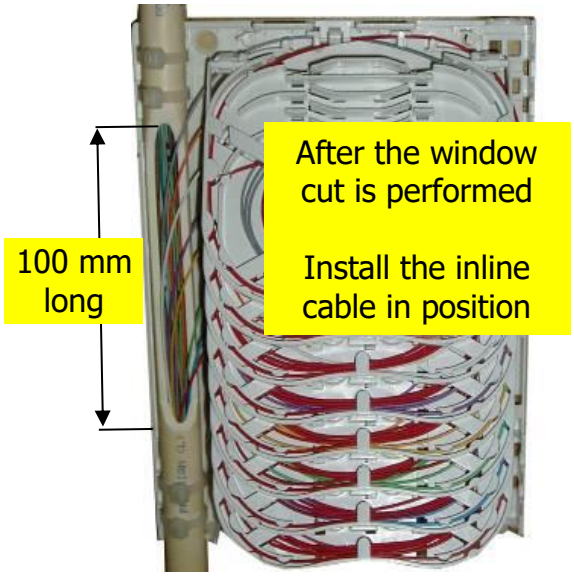
Step 6



- 3 positions available to fix the RBMT on a wall.
- Use a 6mm drill bit to make 3 holes in the wall.
- A wall with a flat surface shall be privileged to install the RBMT.

Inline cable installation and fiber elements routing

Step 7



- Prepare the inline cable with a 100mm window cut.
- Make sure the RBMT is positioned such way that the window cut is centered in between the top and bottom cable ties position.
- Secure the inline cable by tightening the cable ties.

Inline cable installation and fiber elements routing

Step 8

- Each fiber(s) element extracted from the inline cable is routed directly to a splice tray.
- Make sure the fiber(s) element is correctly pushed below the first two tabs on the trays insert as well as below to two first tabs of the splice trays.

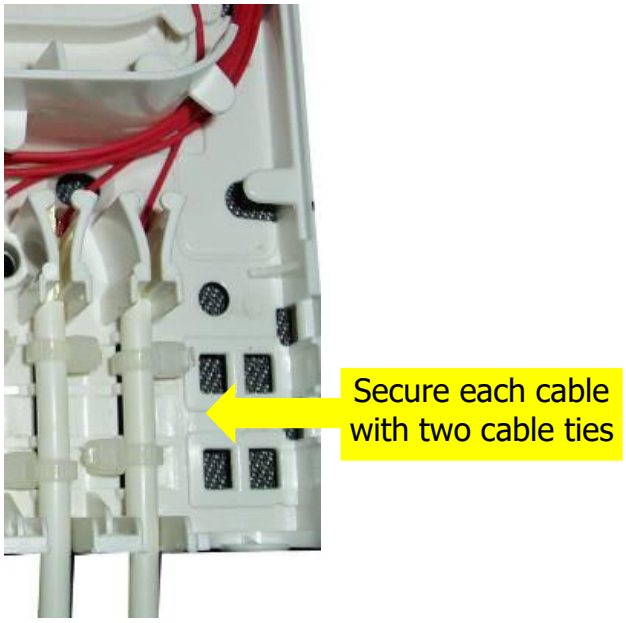
Inline cable installation and fiber elements routing

Step 9

- Coil the fiber(s) element within the splice tray stowage area.

Drop cable(s) installation and fiber(s) routing

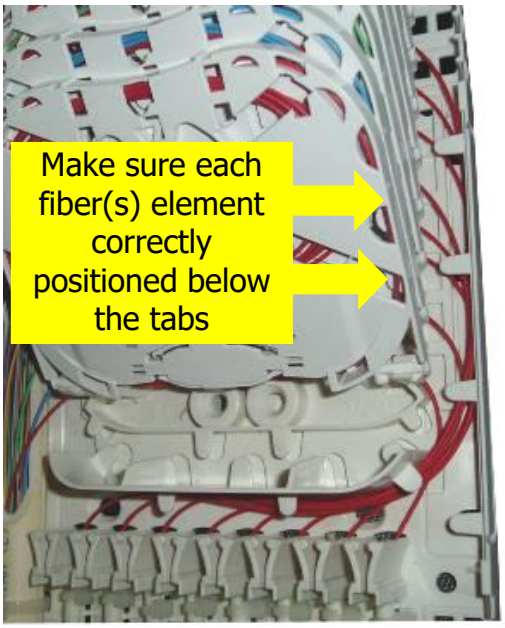
Step 10



- Prepare two cable ties 100 x 2,6mm (not supplied within the kit) to fix each drop cable, install them in the dedicated slots.
- Remove the cut-out section of the base using a pair of long nose pliers. Grip the section and pull forward to break off.
- Remove any burrs from the side walls and floor using a small file.
- Prepare the drop cable by exposing the fiber(s) element on 100 cm.
- Install the cable as shown above and secure it with the two cable ties.

Drop cable(s) installation and fiber(s) routing

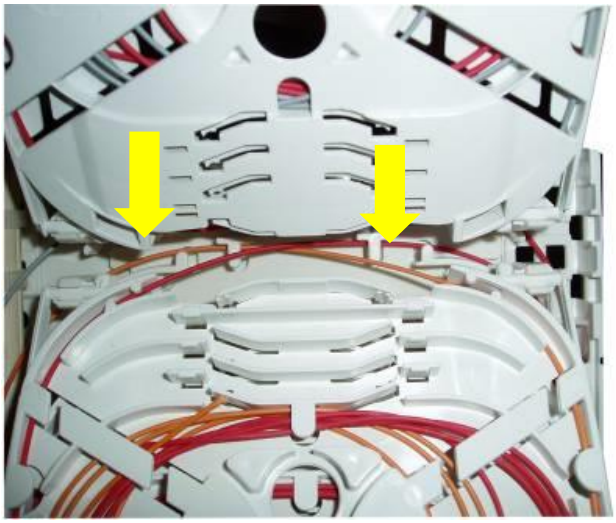
Step 11



- Route each fiber(s) element vertically to the dedicated spice tray.
- Make sure each fiber(s) element correctly positioned below the tabs.

Drop cable(s) installation and fiber(s) routing

Step 12



- Make sure the fiber(s) element is correctly pushed below the first two tabs on the trays insert as well as below to two first tabs of the splice trays.
- Coil the fiber(s) element within the splice tray stowage area.

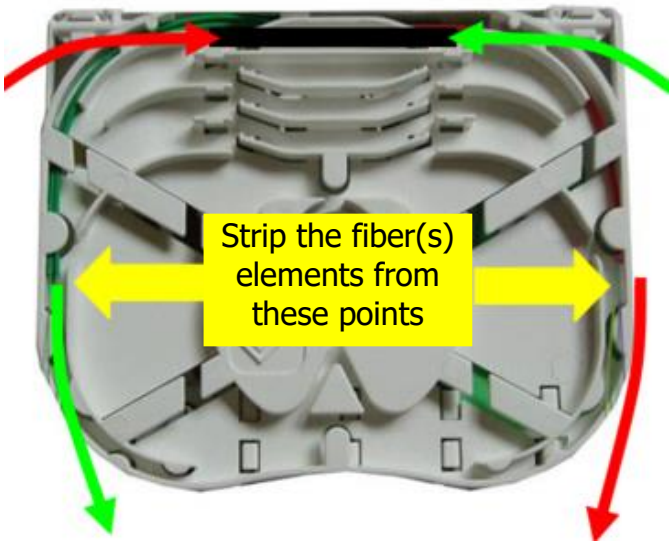
Splicing procedure

Step 13

- Remove the fiber(s) elements from the spice tray stowage area.

Splicing procedure

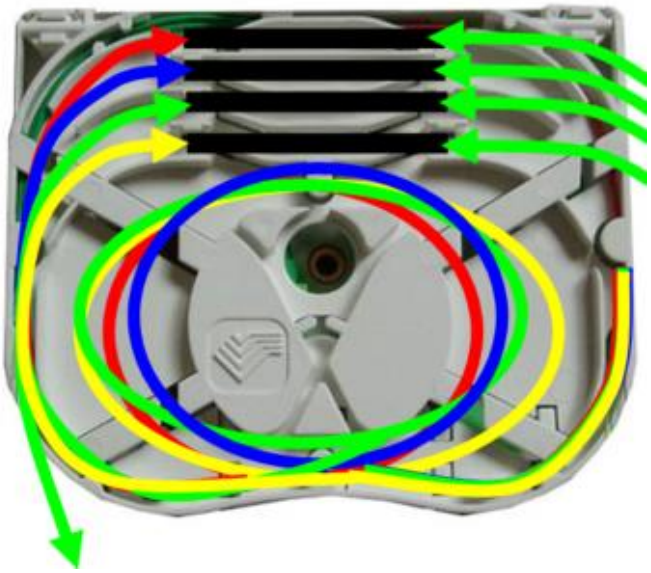
Step 14



- Remove the buffer from the fiber(s) elements from the point as shown on the picture.
- Splice the fibers and position the splice protectors in the splice holders.

Splicing procedure

Step 15



- Coil all the fibers from one end of the splice protectors together and store them in the central stowage area of the splicing tray.
- Repeat the operation for the fibers coming from the other end of the splice protectors.

Main cover installation and identification label

Step 16

- Make sure all the splice trays are lowered.
- Present the cover with an angle over the base to insert the four pins in position.

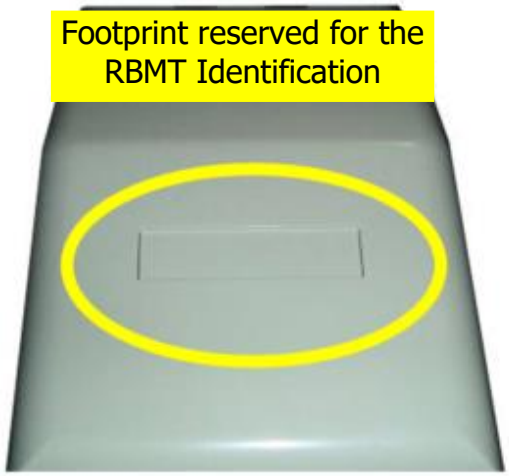
Main cover installation and identification label

Step 17

- Push forward to lock the cover in position.
- Make sure the two clips are correctly positioned and secured on the base.

Main cover installation and identification label

Step 18

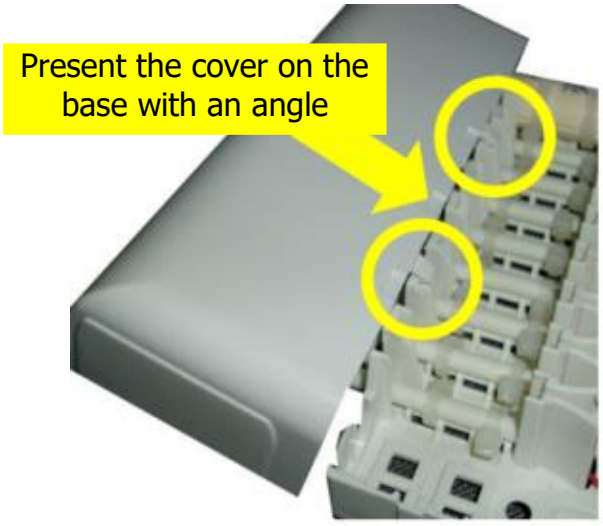


- On the cover a footprint is reserved for the RBMT identification.
- Use the blank label to identify the RBMT.
- Install the label in the footprint and set in position the transparent protection covers by inserting one of the first clip in the cover slot and they do the same with the second clip.

Drop cable protection cover installation

The drop cable protection cover is mainly used when the RBMT is installed side by side of a plastic duct.

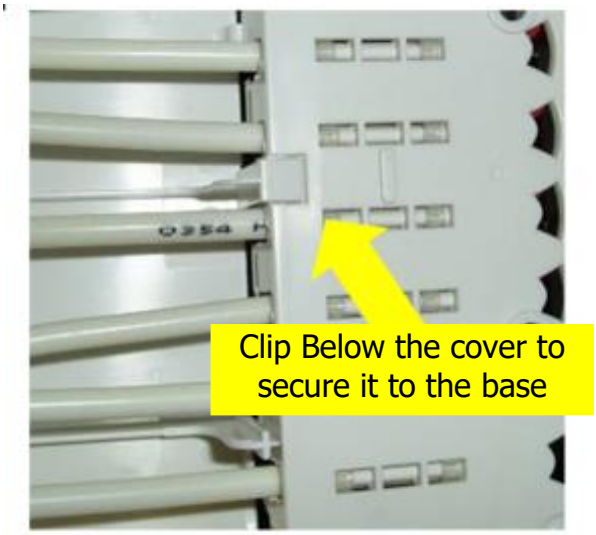
Step 19



- Present the cover with an angle over the base to insert the two pins in position.
- Then, push forward the cover to the wall.

Drop cable protection cover installation

Step 20



- Make sure the clip below the base is correctly positioned.

Drop cable protection cover installation

Step 21

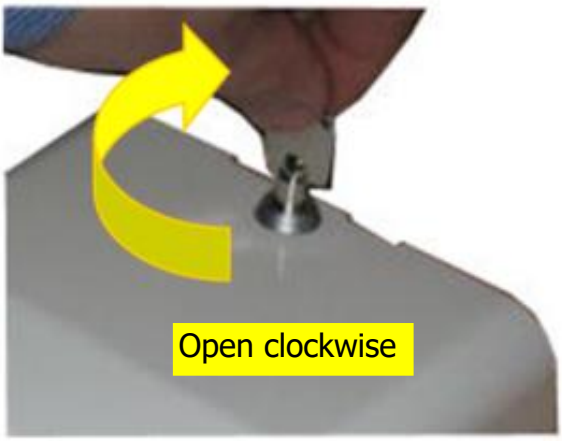
cut-out sections

- According to the inline cable installation (i.e.: installed in a duct) some precut sections are available on the MTRGB.
- Remove the cut-out section of the base using a pair of long nose pliers. Grip the section and pull forward to break off.
- Remove any burrs from the side walls and floor using a small file.

NB: For an installation above a plastic duct, extra cut-out sections are also available for the inline cable at the back the RBMT base.

Lock use (optional)

Step 22



- RBMT's PN XCPSC01294 and XCPSC01293 are supplied with a lock.
- To open the cover, turn the key anti clockwise.

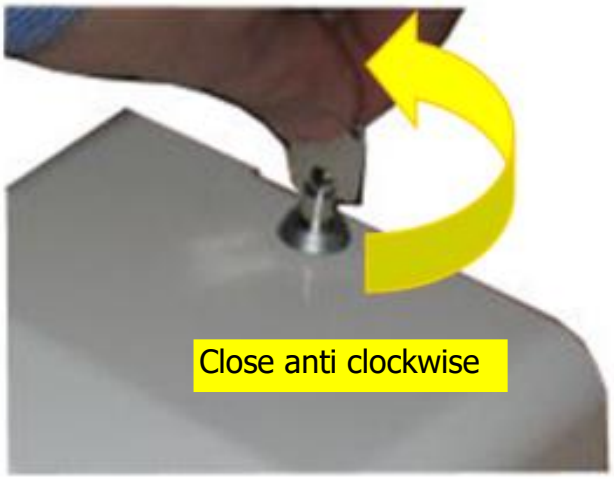
Lock use (optional)

Step 23

- Before putting back the cover in place on the base, make sure the insert for the lock is in the correct position, lowered with splice trays.
- See Step 16 and 17 to close the cover.

Lock use (optional)

Step 24



- To lock the cover, turn the key clockwise.

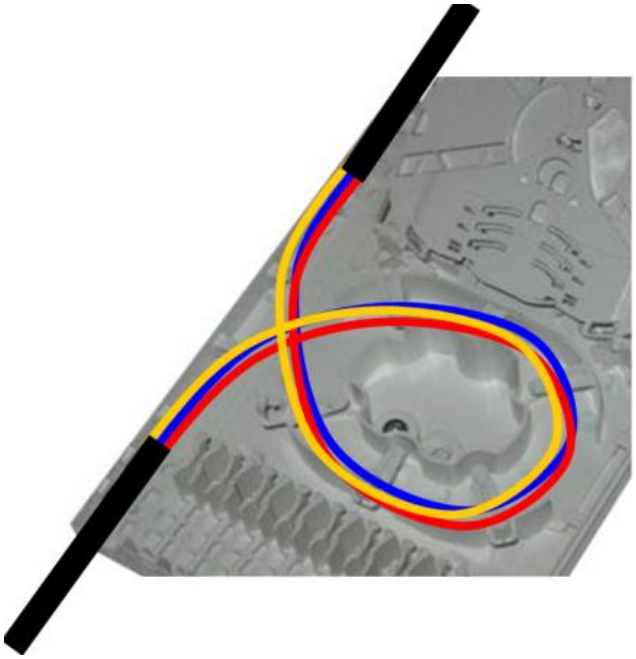
RBMT configuration with 4 splicing tray and a storage area

Step 25

- RBMT's PN XCPSC01159 and XCPSC01293 are supplied with 4 splicing trays only and a storage area for the inline cable.

RBMT configuration with 4 splicing tray and a storage area

Step 26



- Prepare the inline cable by exposing 1 meter of the fiber(s) element.
- Fix the two cable butts with the supplied cable ties as described in step 5 and store the exposed fiber(s) element within the storage area.
- The procedures described from step1 to step 25 are valid to operate the RBMT with 4 splice trays.

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