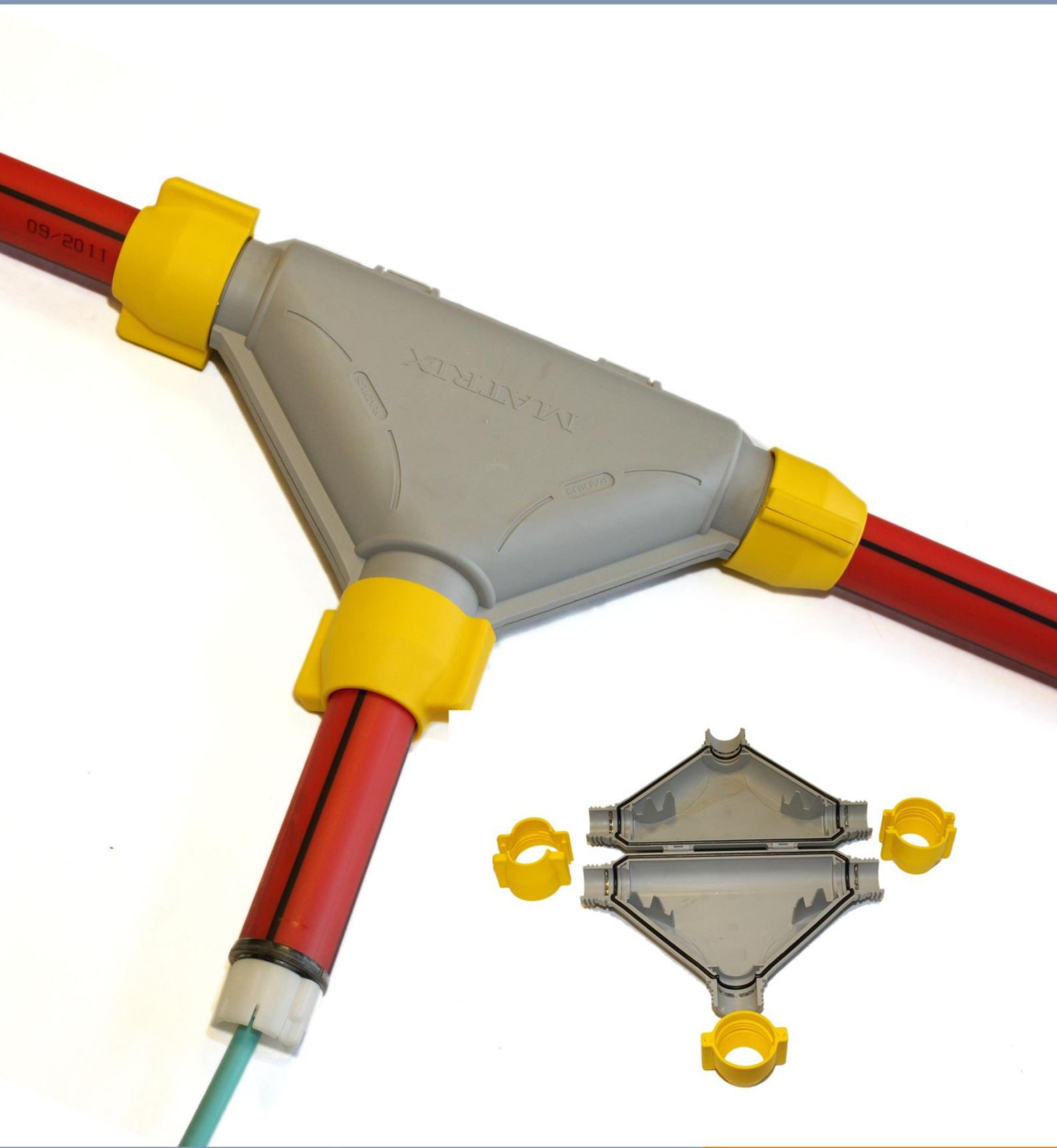
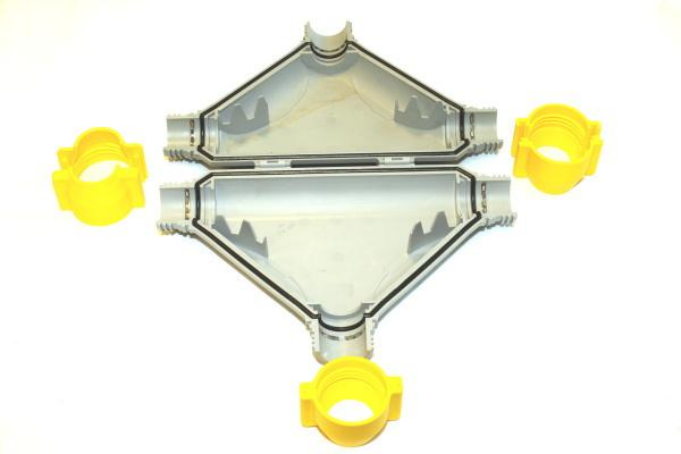
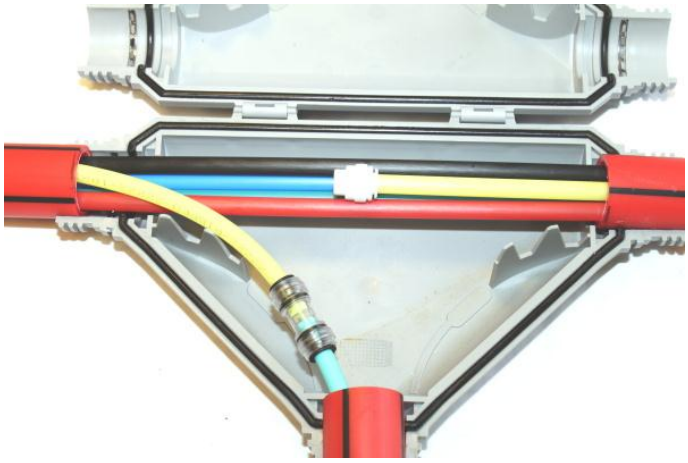
Matrix T - Enclosure

Technical Assembly Manual

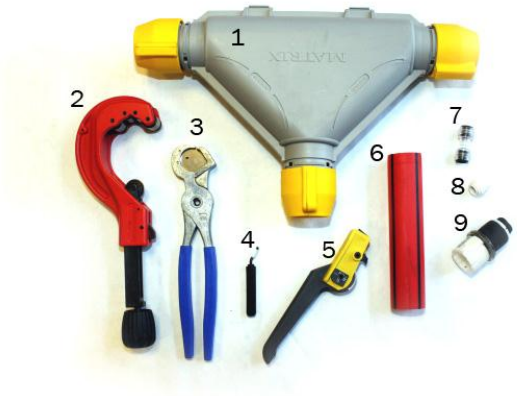






T-shape protective enclosure offering fast and easy branching off the backbone to provide fibre/cable paths to new client. Enclosure provides high network flexibility, upgradeability and uninterrupted fibre/cable connectivity with no need for splicing. Enclosure protects the distribution point where individual microducts are inter-connectect.

What you will need



To complete enclosure assembly you will need:

1.	T - Matrix Enclosure	1pc
2.	Duct cutter ROTH	1pc
3.	Microduct shears	1pc
4.	Microduct deburrer	1pc
5.	Longitudinal cutter	1pc
6.	15-20cm subduct (optional)	1pc
7.	Microduct connector *	1pc
8.	Microduct End Stop **	1pc
9.	Jackmoon sealing **	1pc

* Microduct reducer can be used when connecting different OD microducts.
** number and type of this accessory is set for 1 microduct route branch off.

Assembling

1. **Opening subduct with microducts**

   a. Measure the length of the enclosure internal space which will define your size of duct opening.

   b. Mark the same length on your duct in place of future opening (pic. 2)

   c. Cut subduct at both marked possitions with rotary subduct cutter (pic. 3).
   Attention: Set the depth of cut carefully not damaging microducts inside!

   d. Once you have your subduct opening piece free use longitudinal cutter to split the subduct into 2 halfs. (pic. 4)

   Note: When operating with any cutting tools work carefuly and use protective gloves to prevent injuries.

2. **Microduct branching**

   a. Pick-up the microduct which you want to branch off and cut it with microduct shears. (pic. 5)

   b. Make sure that you have the correct color and you dont cut more microducts than you really need.

   c. Deburring inner edges of microduct is essential. Use deburrer. Never skip this step.This helps cable get through the connector.

   Repeat the same for both microduct to be connected.(pic. 6)

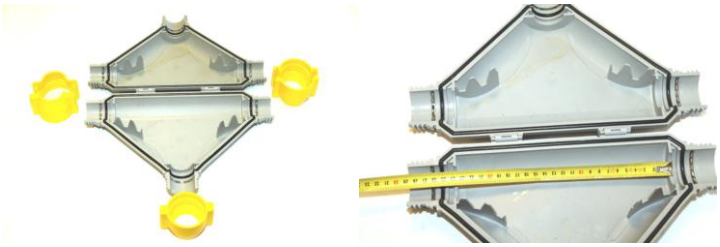
   Attention: There are no special made insert sealings to seal you microduct entry. Therefore as an option you can use a piece of subduct+Jackmoon sealing.

   d. (optionable) Cut aprox. 20cm of subduct and pull it over the customer microduct end.

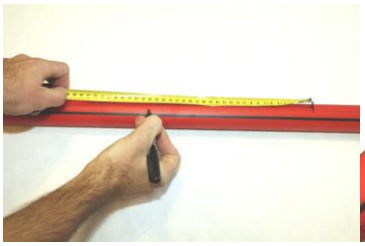
   e. Install pushfit connector (see assembly manual *TS-MA-MSJGxP* for details).
   Make sure your microduct bend does not exceed minimum bending radius. (pic. 7).

See next page

Pic. 1

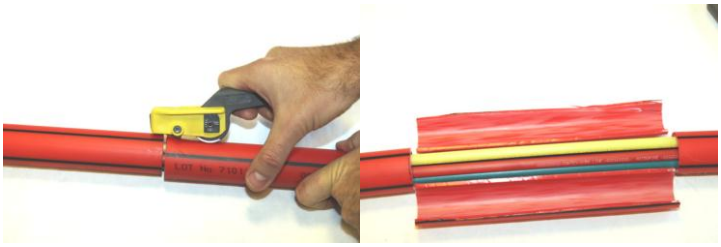


Pic. 2

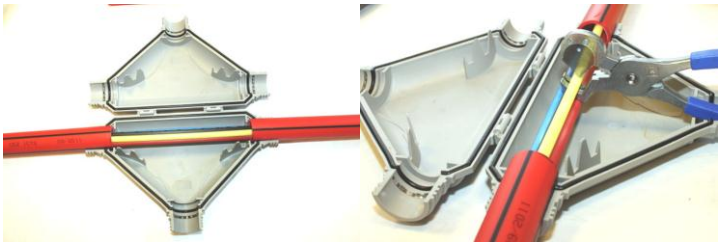


Pic. 3

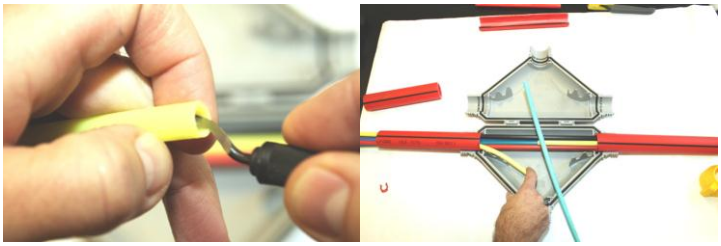
Pic. 4



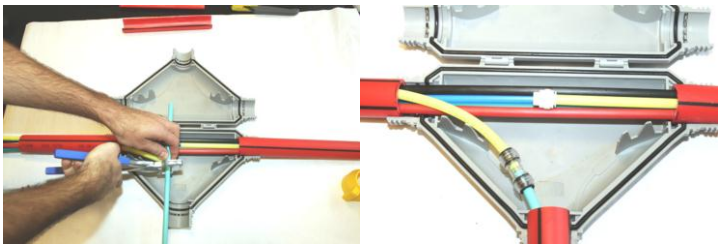
Pic.5



Pic. 6



Pic. 7



3. Close down the Matrix Enclosure

a. Make shure all your subducts are in the right possition and all your microducts inside the enclosure.
b. Close down two enclosure half shells and screw on yellow nuts (pic. 8)

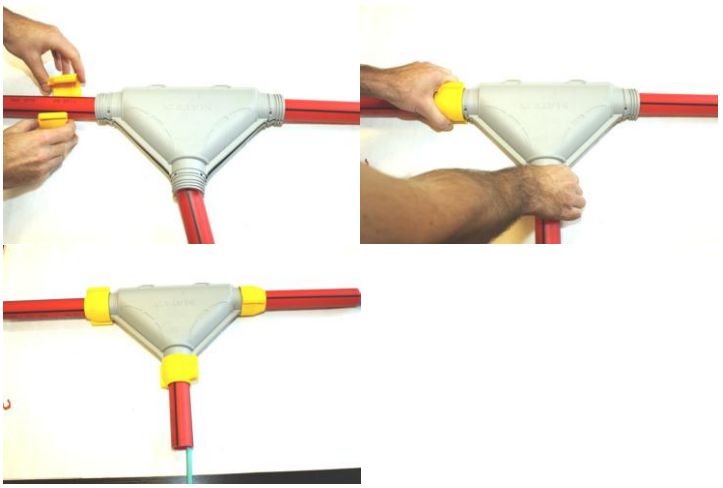
4. Seal the branch off microduct

a. To seal and protect enclosure against mud you need to seal your microduct within the duct.
b. Install adequate MD sealing (eg. Jackmoon) and screw it in.

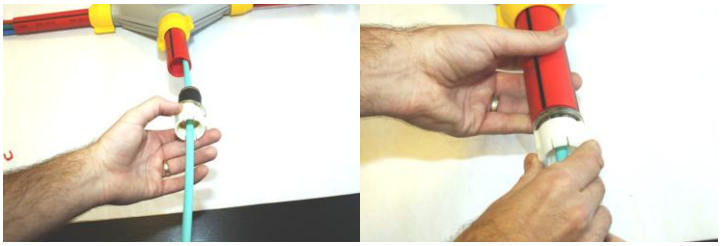
5. ASSEMBLY COMPLETED

pic. 10

Pic. 8



Pic. 9



Pic.10