

## TM Node HS Port Kit for 2BFT

### Description

This kit is used to install a 2 Tube BF cable into ports 1 or 4 of the TM node series only. The kit contains a heat shrink port that enables the cable to be heat shrunk onto a port which can then be plugged into one of the circular ports in the base of the joint.

### Tools & Additional Items Required

**Tools:**

Gas Torch or Hot Air Gun  
Cable Sheath Stripper  
Fibre stripping tools  
Large Screwdriver  
Scissors

### Component Parts (pictures not to scale)

<p><b>1 Iso propanol sachet wipes</b> Qty 1</p> 	<p><b>2 Aluminium foil</b> Qty 1</p> 	<p><b>3 Heat shrink Sleeve</b> Qty 1</p> 
<p><b>4 Port Adapter</b> Qty 1</p> 	<p><b>5 SCOP Sleeve</b> Qty 1</p> 	<p><b>6 Installation Guide</b> Qty 1</p> 

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### Step 1



- Remove the Port Adapter from the kit.
- Clean the outside of the port using the alcohol sachet.
- Shrink the Heat Shrink sleeve over the port adapter kit only. Use a gas torch and ensure a D type nozzle is used.
- Allow to cool for 15 minutes.

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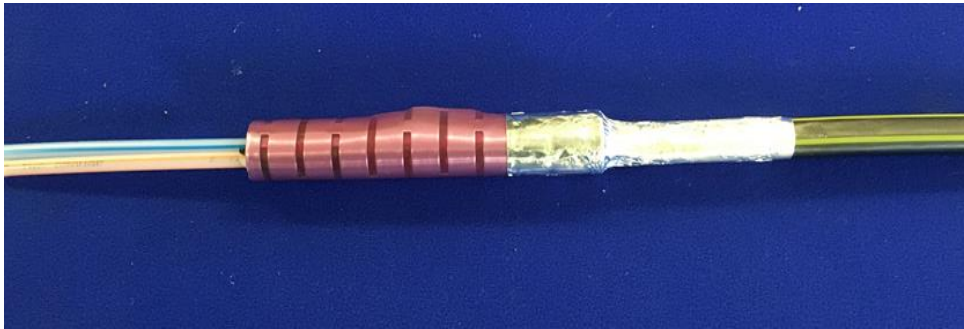
### Step 2



- Strip approximately 120mm of outer sheathing to expose the 2 tubes.
- Note – it is possible to install two 2BFT cables into one port.

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### Step 3



- Abrade BFT sheath 200mm from the butt of BFT. If installing two cables do this for both cables.
- Apply a SCOP sleeve level with the cable butt. If installing two cables apply the SCOP around both cables.
- Apply aluminium foil 50mm in from the bottom of the SCOP as shown. Again, if two cables are installed apply the foil around both cables.
- Smooth over with the shaft of a screwdriver.

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### Step 4



- From the butt of the cable measure 70mm and mark as shown.
- Place the cable into the port kit and ensure the marks are positioned at the top of the port kit.
- Hold BFT in position with tape. This should ensure the cable is halfway inside the port.

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### Step 5



- Install the cable (s) into the port and support temporarily using tape.
- Have the butt of the cable aligned approximately halfway down the port.
- Fully convert the heat shrink sleeve and allow to cool for 10 minutes.

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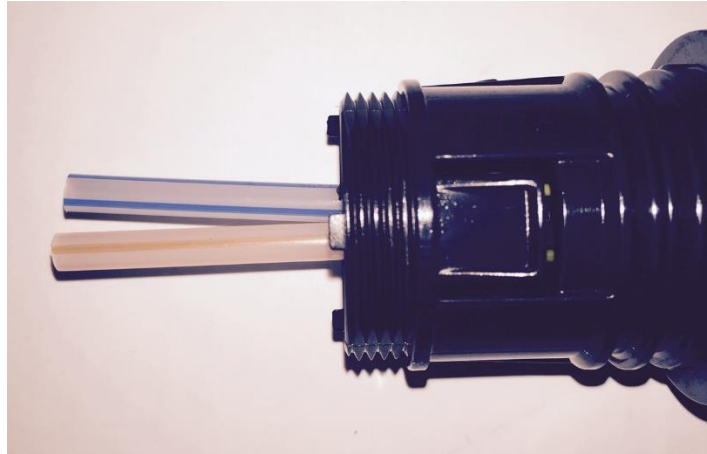
### Step 6



- Remove the port bung from either port 1 or 4 only by fully squeezing the tabs from the inside of the base.
- It may be necessary to rotate the port bung to gain access to the tabs.
- NOTE: the ports cannot be fitted into adjacent ports in the joint so please use ports 1 and 4.

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### Step 7



- Ensure the tubes are cut to 35mm from the end of the port kit prior to being installed into the TM node.



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### Step 8



- Choose the appropriate port (port 1 or 4) then push the gland into the base until resistance is felt on the O rings.
- Continue pushing with a twisting action until an audible click is heard.
- Visually check from inside the base that all three locking tabs have clicked into place.

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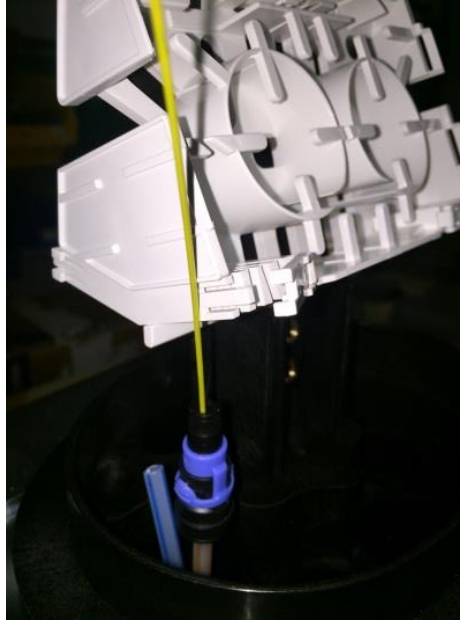
### Step 9



- Install the fibre unit into the appropriate tube using approved practices.

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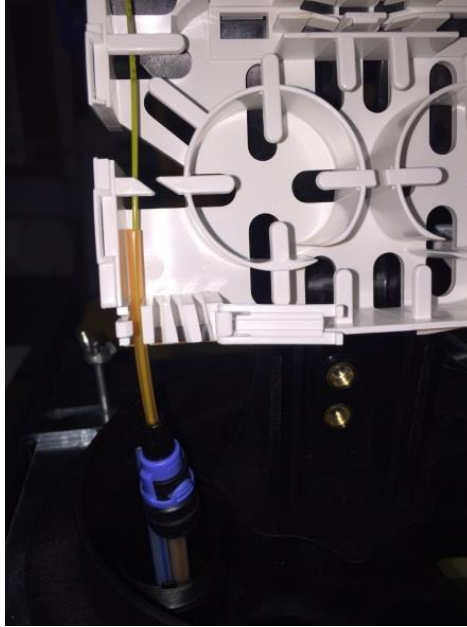
### Step 10



- Feed a water block connector (BT Item Code - 006848 Blown Fibre Tube 5mm to 3mm water block connector) over the fibre unit and plug onto the tube.

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### Step 11



- Cut a length of transport tube (BT Item Code - 076030 OTIAN Transportation Tube 3.1mm) from the top of the connector to approximately 20mm inside the manifold as shown above.
- Oversleeve the fibre unit with the transport tube and plug the tube into the top end of the connector.
- Slide the tube into the track of the manifold.

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### Step 12



- Strip the fibre unit and run it up the raceway of the joint to the appropriate splice tray.
- Follow the appropriate installation guide for the closure.

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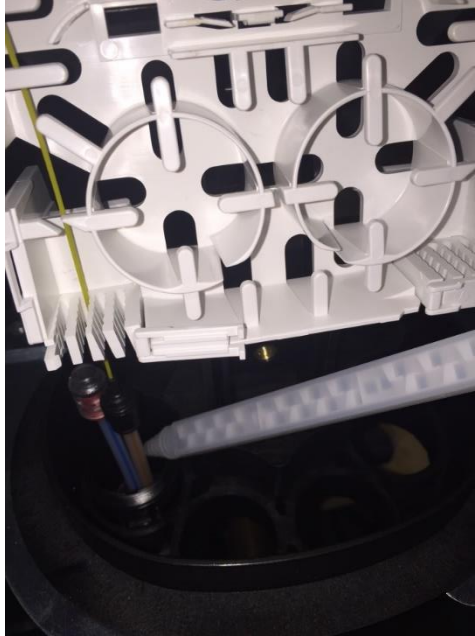
### Step 13



- Fit a tube end cap (BT Item Code - 075146 Blown Fibre Tube 5mm end cap) over the unused tube.

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### Step 14



- Fill the port with resin 10B. Only fill to the bottom of the gland clips.

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### Step 15



- Replace the manifold cover by clipping into place.