Heat Shrink Port Kit for 23- 30mm cable

Description	Tools Required

| This kit is used to install a fibre cable into ports of the closure. 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:**

1.Gas Torch or Hot Air
2.Cable Sheath Stripper
3.Fibre stripping tools
4.Large Screwdriver
5.Scissors
6.Pen |

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Component Parts (pictures not to scale)

1. Isopropanol sachet wipes **Qty 1**	**2.** Aluminium foil **Qty 1**	**3.** Heat shrink Sleeve **Qty 1**
4. Port Adapter **Qty 1**	**5.** Installation Guide **Qty 1**	**6.** M4 x 12mm CSK POZI PAN SCREW **Qty 1**
7. Strength member retention boss **Qty 1**	**8.** Grub Screw **Qty 1**	**9.** Strength Member Retention Bracket **Qty 1**

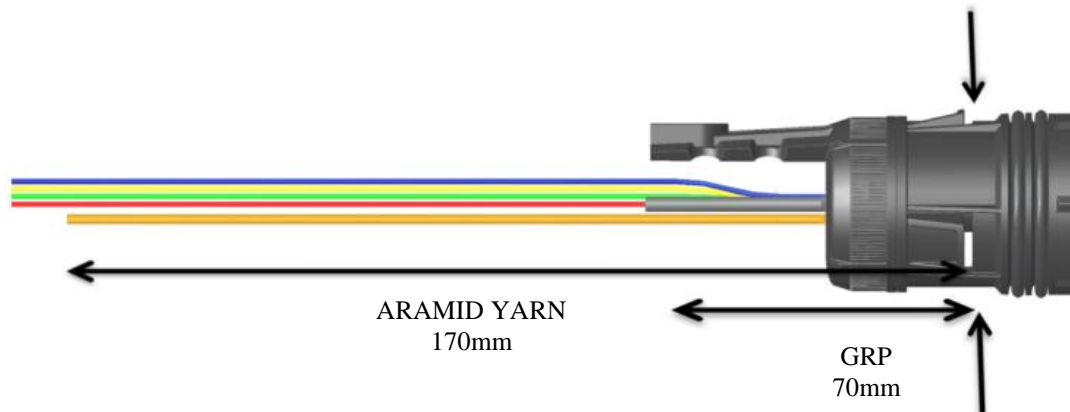**Page 2 of 14**

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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. Or use a hot air gun.

- Allow to cool for 15 minutes.

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Step 2

ARAMID YARN
170mm

GRP
70mm

- Strip cable back 2m (CMJ, MMJ) or 3m (LMJ) exposing the elements, GRP, and aramid yarn if applicable.

- Measure from the cable butt and cut the GRP to 90mm or cut the aramid yarn to 170mm (one of these options must be used for cable retention).

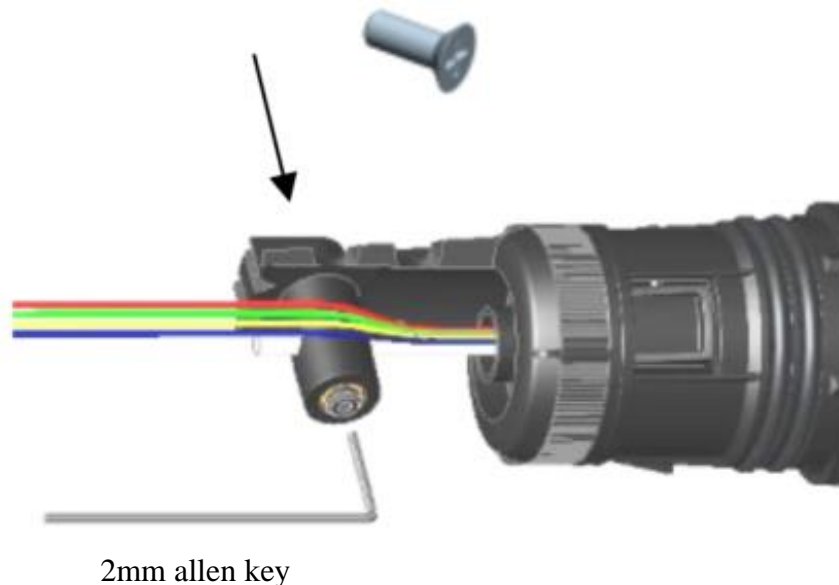## Heat Shrink Port Kit for 23- 30mm cable

Step 3

- Abrade150mm down the cable from the cable butt.

NOTE: make sure that this done around the circumference of the cable.

- Apply aluminium foil level with the cable butt and Smooth over with the shaft of a screwdriver.

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Step 4

2mm allen key

- Fully tighten (9) the strength member retention bracket onto the port adapter gland.

- If using **GRP** fully tighten (7) the strength member retention boss onto (9) the strength member retention bracket using (6)M4 POZI PAN screw.

- Slide the gland assembly over the elements so that the GRP is inserted through the strength member retention boss until it is level with the top of the bracket, like the picture above.
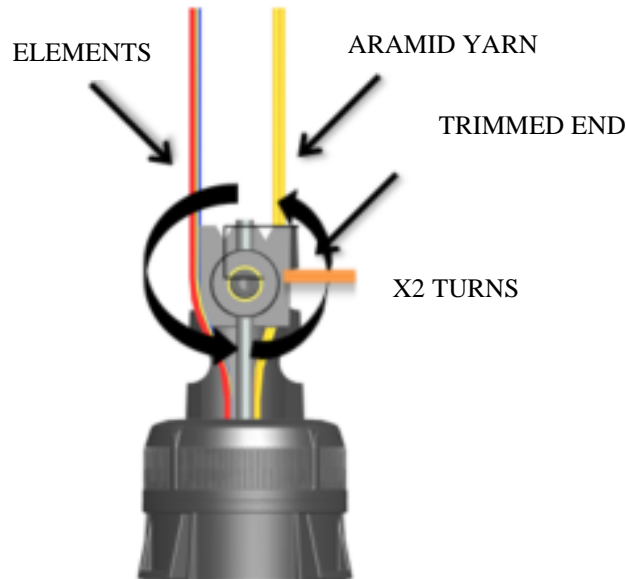
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Step 5

MARKED ARAMID

LOOSELY TIGHTENED BOSS

- If using **ARAMID** loosely tighten (7) the strength member retention boss onto (9) the strength member retention bracket using (6)M4 POZI PAN screw.

- Mark the aramid with a pen 90mm from the cable butt (this will give you a point at which you will retain the aramid yarn).

- Slide the gland assembly over the elements until the point (marked with a pen on the aramid) lines up with the retention boss.

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Step 6

ELEMENTS   ARAMID YARN

TRIMMED END

X2 TURNS

- Separate the aramid from the Elements.

- Wrap the aramid yarn around the screw x2 turns and finish the second turn with the aramid facing out the side as shown in picture above.

- Tighten the screw (with the aramid held in position) to the retention boss using a screwdriver.

- Trim excess aramid using scissors.

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Step 7

- Fully convert the heat shrink sleeve and allow cooling for 10 minutes.

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Step 8

- Remove the port bung from any 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.
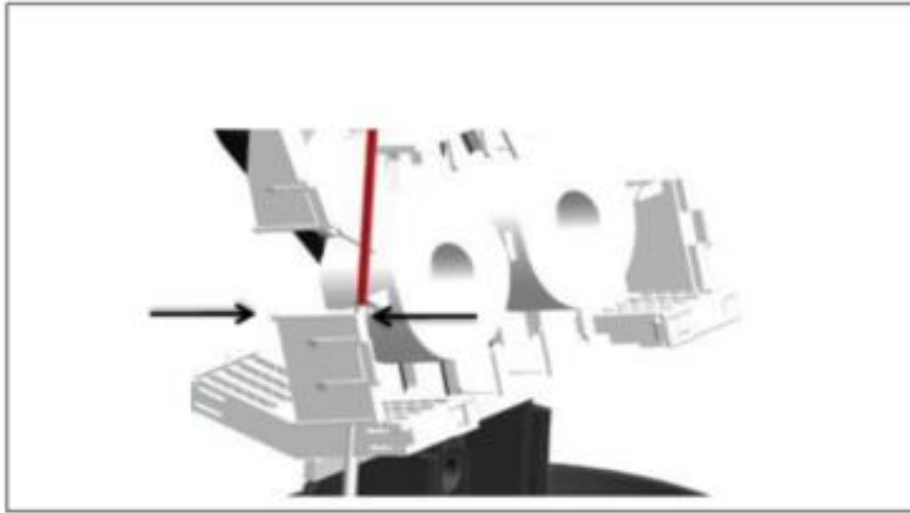
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Step 9

- Choose the appropriate port 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 10

- Insert the cable tube into the manifold restraint.

- Strip tube at indicated position as shown.

- Route elements and fibre as per the closure installation instructions.

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Step 11

- 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 12

- Replace the manifold cover by clipping into place.

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