

BEP 48 (BEP48 standalone box)

IP/Installation Procedure for BEP 48 (BEP48 standalone box)
This procedure will showcase two main products configurations.

1. Equipped with Pigtails -
BEP (48) PN XCPSC05262
2. Equipped with preterminated cable.
BEP (48) precon Flex Drop ADSS 30m PN XXXXXXXX
BEP (48) precon Flex Drop ADSS 40m PN XXXXXXXX
BEP (48) precon Flex Drop ADSS 50m PN XXXXXXXX



Precautions and Warnings

- ! This guide is only valid for products purchased from or approved by Prysmian.
- ! During this procedure all local Health & Safety statutory regulations must be adhered to.
- ! This installation should only be carried out by suitably trained competent persons.

Tools Required

Key	T20 Tool	Drill	Marker	Level	Screwdriver
					

Contents of Kits

Extension box up 12fo PN	Oval port kit	Accessory of BEP with precon cable	Inline port kit	Entry kit with fixings
	*	 1 x 6mm Seal 1 x Protective Gromet 1 x Wall Mounting Kit 1 x Key 1 x T20 Tool	 2 x Inline Ports 2 x Inline Port Seals B 1 x Branch Metal Part 1 1 x Branch Metal Part 2	 1 x Connection Part 1 x 6mm Seal 1 x 12.5mm Seal 1 x Protective Gromet 2 x Connection Tubes 12 x Splice Protectors 1 x Wall Mounting Kit 1 x Key 1 x T20 Tool

Packaging (inner cardboard box per product + outer cardboard box for 10 products).

Wall Mounting - BEP 48 (BEP48 standalone box) - Pigtails

Step 1



Mark on the wall using a marker, the locations of the mounting positions.

Wall Mounting - BEP 48 (BEP48 standalone box) - Pigtails

Step 2



Drill holes in the wall.

Wall Mounting - BEP 48 (BEP48 standalone box) - Pigtails

Step 3



Mount the product using the screws & ensure the product is level.

Cable Installation - BEP 48 (BEP48 standalone box) - Pigtails

Step 1



Open the box using the key.

Cable Installation - BEP 48 (BEP48 standalone box) - Pigtails

Step 2



After opening the box, unscrew the tray cover.

**Cable Installation - BEP 48
(BEP48 standalone box) - Pigtails**

Step 3



Unscrew tray area to gain access to the gland.

Cable Installation - BEP 48 (BEP48 standalone box) - Pigtails

Step 4



Unclick the circular gland.

**Cable Installation - BEP 48
(BEP48 standalone box) - Pigtails**

Step 5



Unscrew the cable gland and separate the halves.

**Cable Installation - BEP 48
(BEP48 standalone box) - Pigtails**

Step 6



After unscrewing the halves, unscrew the gland body.

**Cable Installation - BEP 48
(BEP48 standalone box) - Pigtails**

Step 7



Pop out the rubber grommet.

Cable Installation - BEP 48 (BEP48 standalone box) - Pigtails

Step 8



The grommet with the smaller hole is for cables that are 6mm. Medium grommet size is 8mm, whilst the large grommet is for cables of 12.5mm. After selecting the correct grommet, depending on the cable diameter, use scissors to cut the end open.

**Cable Installation - BEP 48
(BEP48 standalone box) - Pigtails**

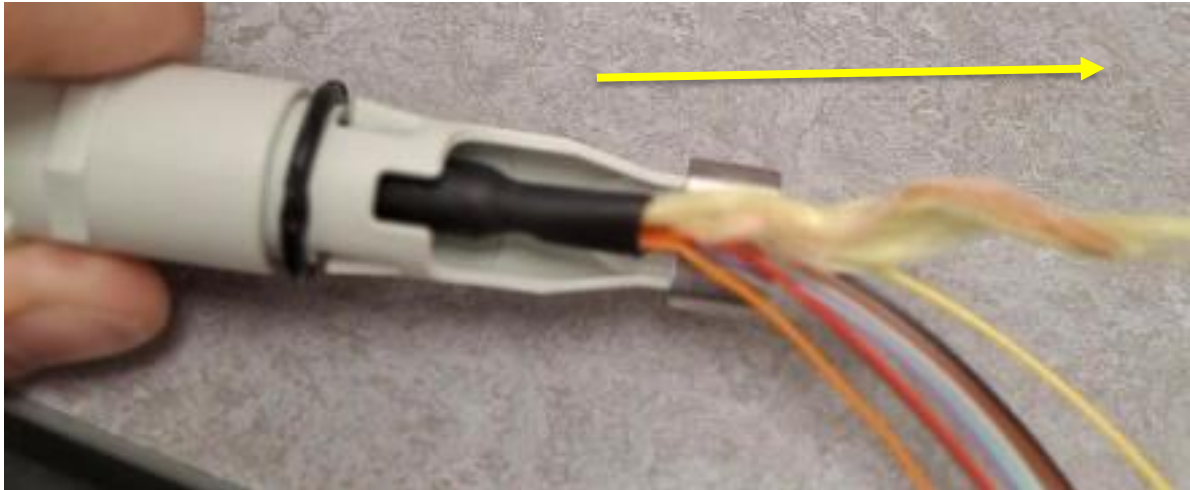
Step 9



Slide the gland parts over the cable.

**Cable Installation - BEP 48
(BEP48 standalone box) - Pigtails**

Step 10



After sliding the gland back over the cable, measure out 50mm of Kevlar to use when coiling the cable.

**Cable Installation - BEP 48
(BEP48 standalone box) - Pigtails**

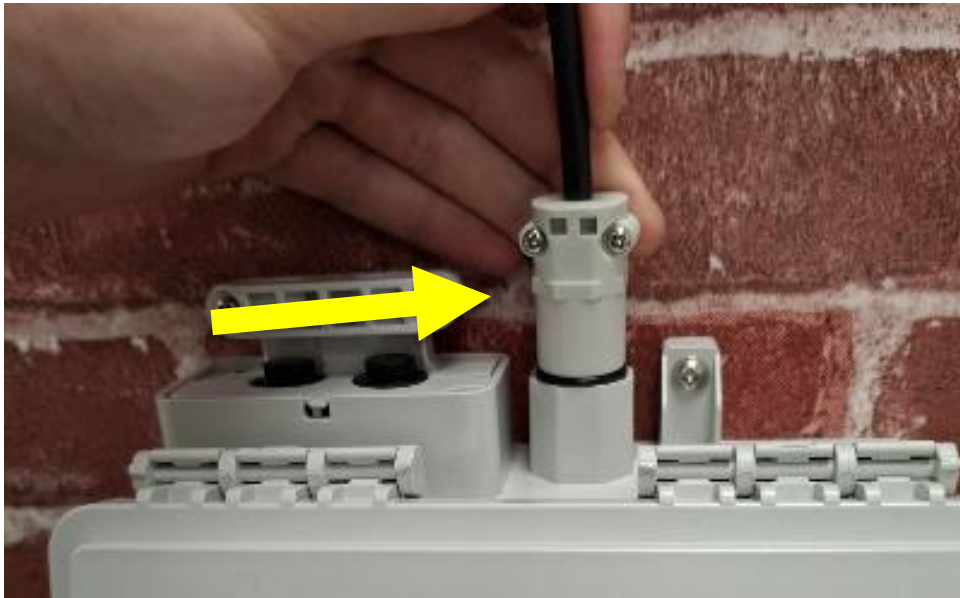
Step 11



Coil the Kevlar underneath the retention bracket, go around 3 times before tightening.

**Cable Installation - BEP 48
(BEP48 standalone box) - Pigtails**

Step 12



Secure the 2 plates back together and clip the gland back into the BEP.

Cable Installation - BEP 48 (BEP48 standalone box) - Pigtails

Step 1



After clicking the gland back into position, route the elements down behind the trays.

Cable Installation - BEP 48 (BEP48 standalone box) - Pigtails

Step 2



Coil them going clockwise.

Cable Installation - BEP 48 (BEP48 standalone box) - Pigtails

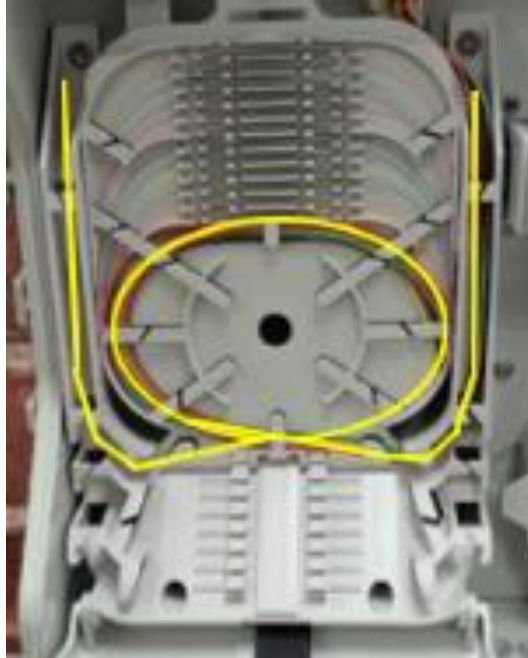
Step 3



Bring the incoming cable elements into the routing area, ensure that the elements are stripped after the point highlighted.

**Cable Installation - BEP 48
(BEP48 standalone box) - Pigtails**

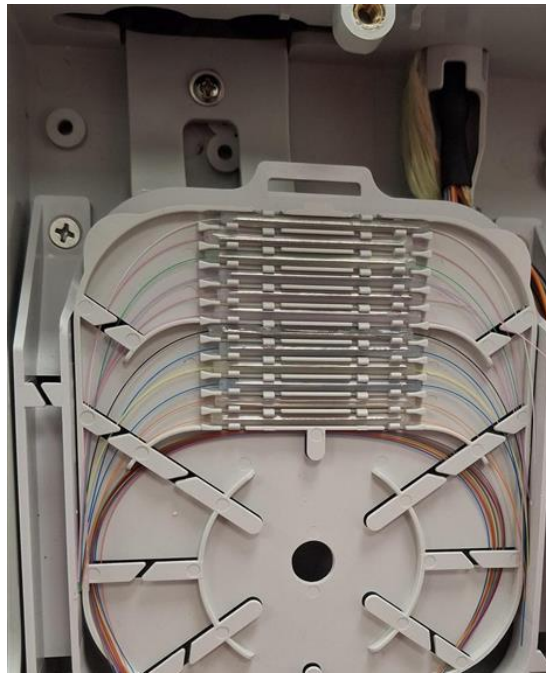
Step 4



Follow the routing diagram.

Cable Installation - BEP 48 (BEP48 standalone box) - Pigtails

Step 5



Splice the incoming cable to the existing pigtails, using your company's preferred method. Place the splices in the tray positions as shown.

Cable Installation - BEP 48 (BEP48 standalone box) - Pigtails

Step 6



Place the splice tray cover back on to the tray, wrap the velcro around and lock the splice area up.

Drop Cable Installation - BEP 48 (BEP48 standalone box) - Pigtails

Step 1



Push through the rubber grommet as shown.

Drop Cable Installation - BEP 48 (BEP48 standalone box) - Pigtails

Step 2



Then unclip the rubber from the plastic housing & open the plastic. The arrows show where the clips are to open it.

Drop Cable Installation - BEP 48 (BEP48 standalone box) - Pigtails

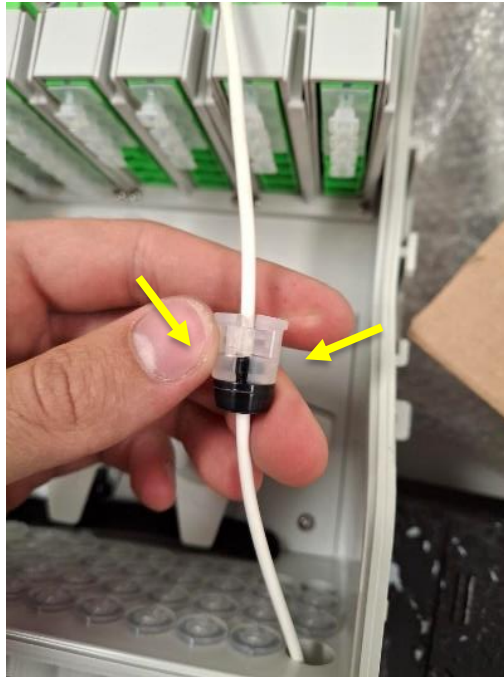
Step 3



Feed the drop cable through.

**Drop Cable Installation - BEP 48
(BEP48 standalone box) - Pigtails**

Step 4



Place the rubber grommet over the drop cable and place the plastic housing over the grommet. Click into place.

Drop Cable Installation - BEP 48 (BEP48 standalone box) - Pigtails

Step 5



Connect the drop cable into the patch panel and plug it in. It should look like this.

**Drop Cable Installation - BEP 48
(BEP48 standalone box) - Pigtails**

Step 6



Close the cover & lock the BEP.

Wall Mounting - BEP 48 (BEP48 standalone box) - Preterminated Cable

Step 1



Mark on the wall using a marker, the locations of the mounting positions.

Wall Mounting - BEP 48 (BEP48 standalone box) - Preterminated Cable

Step 2



Drill holes in the wall.

Wall Mounting - BEP 48 (BEP48 standalone box) - Preterminated Cable

Step 3



Mount the product using the screws and ensure the product is level.

Drop Cable Installation - BEP 48 (BEP48 standalone box) - Preterminated Cable

Step 1



Push through the rubber grommet as shown.

Drop Cable Installation - BEP 48 (BEP48 standalone box) - Preterminated Cable

Step 2



Then unclip the rubber from the plastic housing & open the plastic. The arrows show where the clips are to open it.

Drop Cable Installation - BEP 48 (BEP48 standalone box) - Preterminated Cable

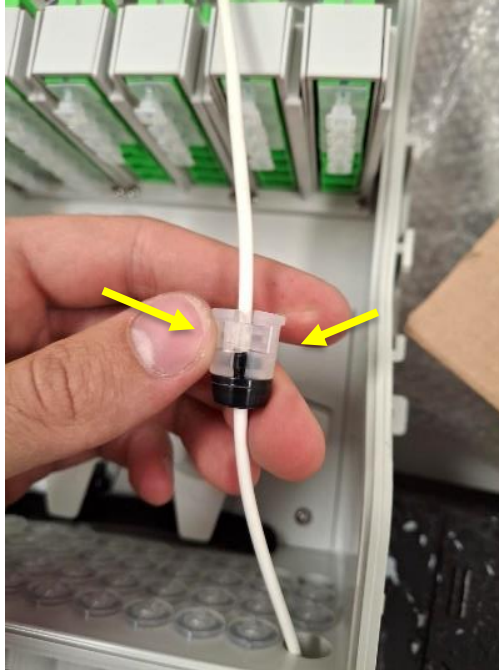
Step 3



Feed the drop cable through.

Drop Cable Installation - BEP 48 (BEP48 standalone box) - Preterminated Cable

Step 4



Place the rubber grommet over the drop cable and place the plastic housing over the grommet. Click into place.

Drop Cable Installation - BEP 48 (BEP48 standalone box) - Preterminated Cable

Step 5



Connect the drop cable into the patch panel and plug it in. It should look like this.

**Drop Cable Installation - BEP 48 (BEP48 standalone box)
- Preterminated Cable**

Step 6



Close the cover & lock the BEP.

Installation of the Corrugated Gland

Step 1



Knock out the insert as shown.

Installation of the Corrugated Gland

Step 2



It should look like this, a clean cut with no sharp edges.

Installation of the Corrugated Gland

Step 3



Place the corrugated gland into the hole.

Installation of the Corrugated Gland

Step 4



Feed the tube through the corrugated gland.

Installation of the Corrugated Gland

Step 5



Place the gland into the BEP and attach the nut on the back of the corrugated tube.

Installation of the Corrugated Gland

Step 6



It should look like this when completed.

Installation of the Inline Cable Seal

Step 1



Before starting the process, measure the diameter of the cable that will be installed. This will then decide which segment to cut away.

Installation of the Inline Cable Seal

Step 2



Use scissors to cut the required area.

Installation of the Inline Cable Seal

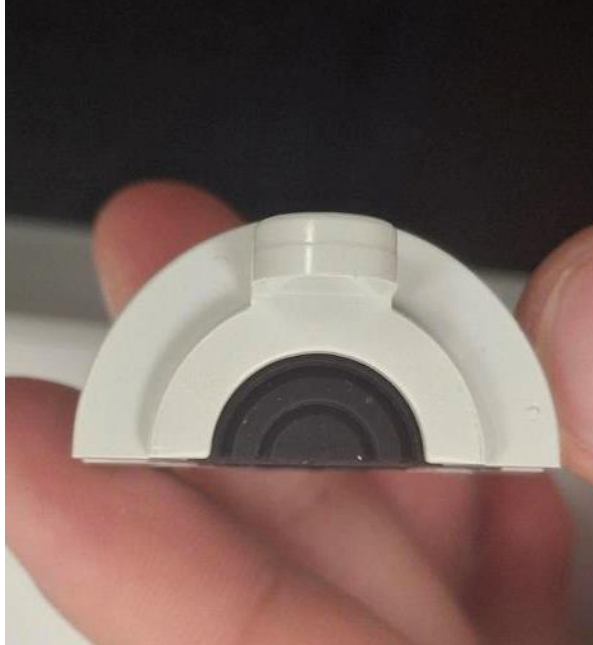
Step 3



Then pull off the tab to leave a clean surface.

Installation of the Inline Cable Seal

Step 4



Repeat the steps.

Installation of the Inline Cable Seal

Step 5



Use scissors to cut the required area.

Installation of the Inline Cable Seal

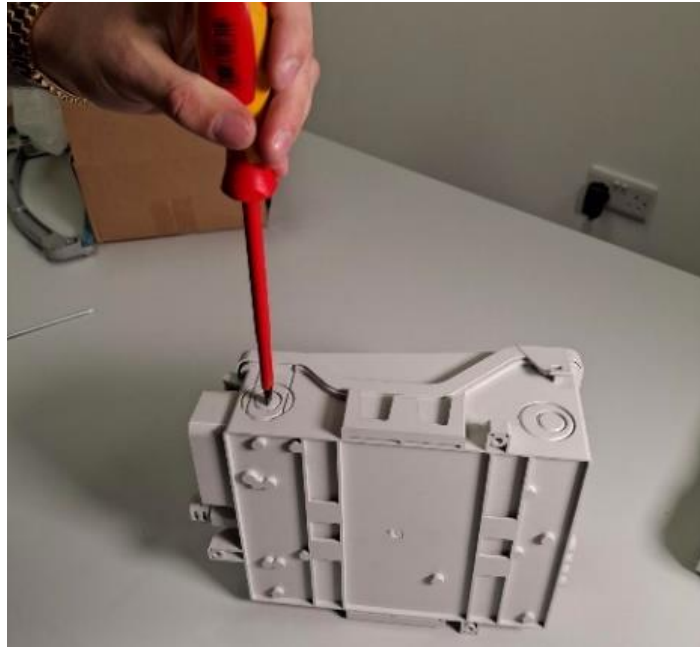
Step 6



Then pull off the tab to leave a clean surface.

Installation of the Inline Cable Seal

Step 7



When tapping out the knockout for the inline cable seal, it is important to be accurate. Use a flat head screwdriver for this.

Installation of the Inline Cable Seal

Step 8



Unscrew the tray cover to access the required area.

Installation of the Inline Cable Seal

Step 9



Use a saw for the hole, ensure no sharp edges or grooves remain as it needs to be accurate.

Installation of the Inline Cable Seal

Step 10



Slide the bottom half of the inline cable seal into position.

Installation of the Inline Cable Seal

Step 11



Secure the cable restraint bracket using the screws supplied in the kit.

Installation of the Inline Cable Seal

Step 12



Secure the bottom half of the inline cable seal to the BEP, using the screw provided in the kit.

Installation of the Inline Cable Seal

Step 13



Highlighted is what it should look like.

Installation of the Inline Cable Seal

Step 14



Slide the other half of the inline seal over.

Installation of the Inline Cable Seal

Step 15



Slide the other half of the inline seal in place.

Installation of the Inline Cable Seal

Step 16



After bringing the cable through the inline seal, anchor it in place by using a cable tie. Use the kevlar from the cable and wrap it around the anchor bracket 3 times.

Installation of the Inline Cable Seal

Step 17



Repeat the above steps on the other side of the BEP. Allowing the Inline cable to go from one end to the other.

Installation of the Inline Cable Seal

Step 18



Open the tray area. after bringing the cables in, coil them underneath the tray area.

Installation of the Inline Cable Seal

Step 19



Loop as shown.

Installation of the Inline Cable Seal

Step 20



Slide the other half of the inline seal in place. So, both parts sit correctly.

Installation of the Inline Cable Seal

Step 21



Close the tray back down & secure the tray area back in in place.

Installation of the Inline Cable Seal

Step 22



Close the lid of the BEP. It should look like this from above.

Installation of the Inline Cable Seal

Step 23



When shut, the lid compresses the seal to the cable.

Contact information

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