BEP 16, 24 (BEP12 box + 12FO extension box)

This procedure will showcase two main products configurations.

1. Equipped with Pigtails -
   BEP (16) PN XCPSC05260
   BEP (24) PN XCPSC05261

   *24f Pigtails will be shown in the IP, for 16
   the steps will remain the same.

2. Equipped with preterminated cable.
   BEP (16) precon Flex Drop ADSS 30m PN XCPSC05277
   BEP (16) precon Flex Drop ADSS 40m PN XCPSC05278
   BEP (16) precon Flex Drop ADSS 50m PN XCPSC05279
   BEP (24) precon Flex Drop ADSS 30m PN XCPSC05280
   BEP (24) precon Flex Drop ADSS 40m PN XCPSC05281
   BEP (24) precon Flex Drop ADSS 50m PN XCPSC05282

   *24f precon will be shown in the IP, for 16
   the steps will remain the same.

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.

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INSTALLATION INSTRUCTION

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 carboard box per product + outer cardboard box for 10 products).

Wall Mounting - BEP 16, 24
(BEP12 box + 12FO extension box) - Pigtails

Step 1

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

Wall Mounting - BEP 16, 24
(BEP12 box + 12FO extension box) - Pigtails

Step 2

Drill holes in the wall.

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INSTALLATION INSTRUCTION

Wall Mounting - BEP 16, 24
(BEP12 box + 12FO extension box) - Pigtails

Step 3

Mount the products using the screws and ensure both products are level.

Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension box) - Pigtails

Step 1

Open the boxes using the key.

Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension box) - Pigtails

Step 2

Ensure both are open.

Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension box) - Pigtails

Step 3

Unscrew tray area to gain access to the gland.

Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension box) - Pigtails

Step 4

Unclick the circular gland.

Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension box) - Pigtails

Step 5

Unscrew the cable gland and separate the halves.

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Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension box) - Pigtails

Step 6

After unscrewing the halves, unscrew the gland body.

Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension box) - Pigtails

Step 7

Pop out the rubber grommet.

Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension 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 16, 24
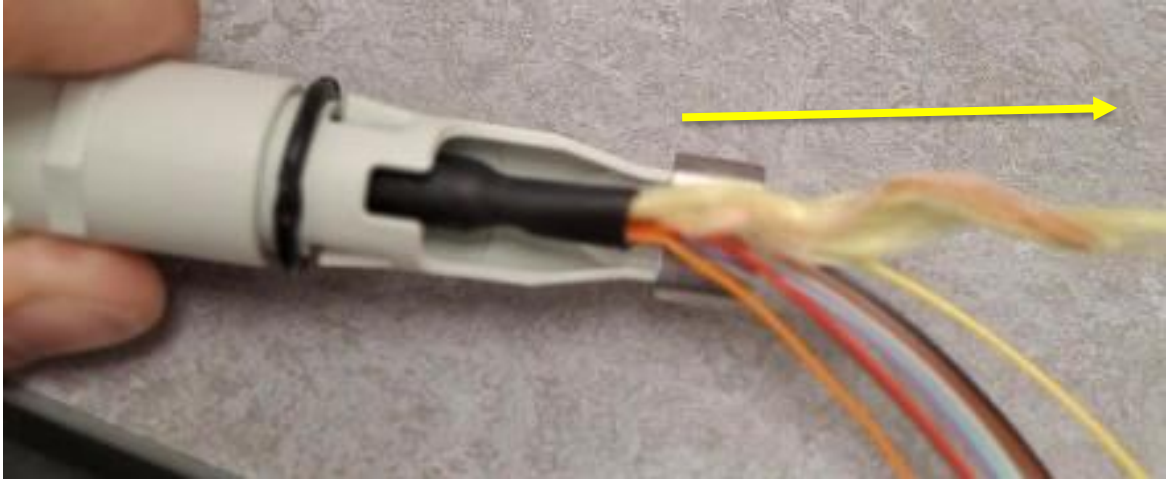## (BEP12 box + 12FO extension box) - Pigtails

Step 9

Slide the gland parts over the cable.

Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension box) - Pigtails

Step 10

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

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Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension box) - Pigtails

Step 11

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

Cable Installation - BEP 16, 24
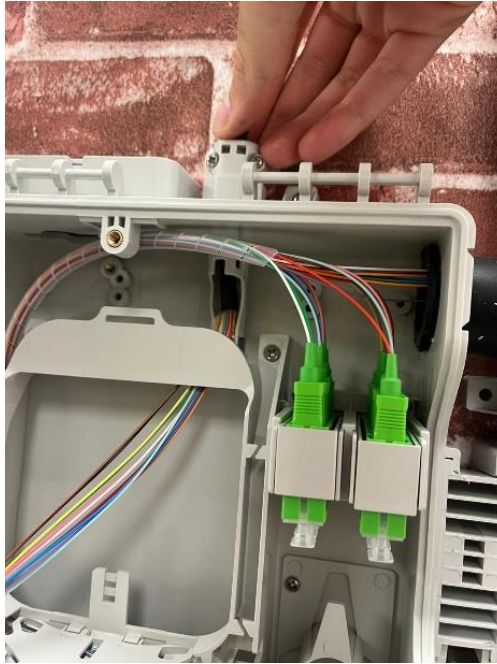## (BEP12 box + 12FO extension box) - Pigtails

Step 12

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

Drop Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension box) - Pigtails

Step 1

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

Drop Cable Installation - BEP 16, 24 (BEP12 box + 12FO extension box) - Pigtails

Step 2

Coil the elements going clockwise.

**Drop Cable Installation - BEP 16, 24
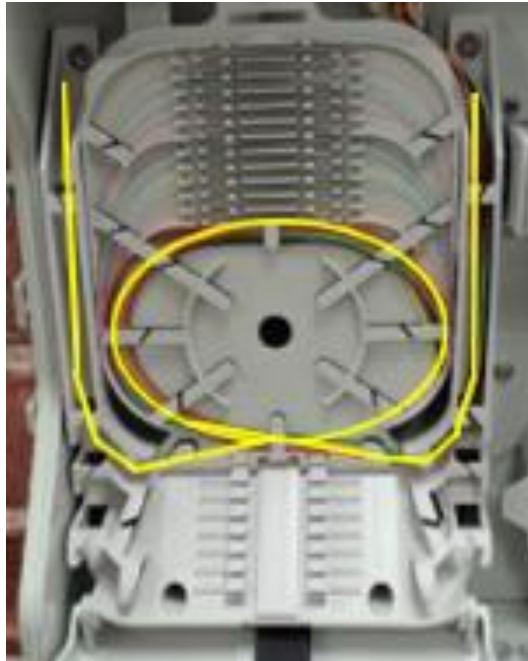(BEP12 box + 12FO extension box) - Pigtails**

Step 3

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

**Drop Cable Installation - BEP 16, 24
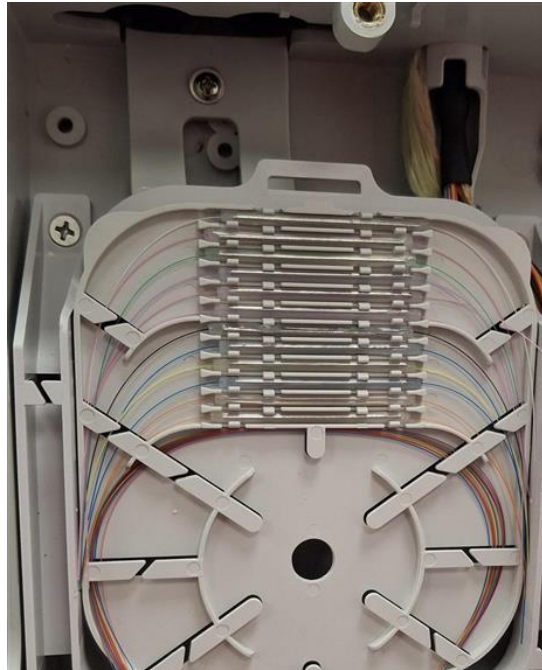(BEP12 box + 12FO extension box) - Pigtails**

Step 4

Follow the routing diagram.

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Drop Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension 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.

Drop Cable Installation - BEP 16, 24 (BEP12 box + 12FO extension 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 16, 24 (BEP12 box + 12FO extension box) - Pigtails

Step 1

Push through the rubber grommet through. Then bring through the drop cable.

Drop Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension 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 16, 24
(BEP12 box + 12FO extension box) - Pigtails

Step 3

Click the drop cable in the required position.

Drop Cable Installation - BEP 16, 24 (BEP12 box + 12FO extension box) - Pigtails

Step 4

Place the rubber grommet and plastic housing around the drop cable. Click it shut.

Drop Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension box) - Pigtails

Step 5

It should look like this. Close the lid and screw back together.

Drop Cable Installation - BEP 16, 24 (BEP12 box + 12FO extension box) - Pigtails

Step 6

Close the lids of both boxes and screw them shut.

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INSTALLATION INSTRUCTION

Wall Mounting - BEP 16, 24 (BEP12 box + 12FO extension box) - Preterminated Cable

Step 1	

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

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Wall Mounting - BEP 16, 24 (BEP12 box + 12FO extension box) - Preterminated Cable

Step 2

Drill holes in the wall.

Wall Mounting - BEP 16, 24 (BEP12 box + 12FO extension box) - Preterminated Cable

Step 3	

Mount the products using the screws & ensure both products are level.

Drop Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension box)
- Preterminated Cable

Step 1

Push through the rubber grommet through. Then bring in the drop cable.

**Drop Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension 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.

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Drop Cable Installation - BEP 16, 24 (BEP12 box + 12FO extension box) - Preterminated Cable

Step 3

Click the drop cable in the required position.

**Drop Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension box)
- Preterminated Cable**

Step 4

Place the rubber grommet and plastic housing around the drop cable. Click it shut.

**Drop Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension box)
- Preterminated Cable**

Step 5

It should look like this. Close the lid and screw back together.

Drop Cable Installation - BEP 16, 24
(BEP12 box + 12FO extension box)
- Preterminated Cable

Step 6

Close the lids of both boxes and screw them shut.

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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.
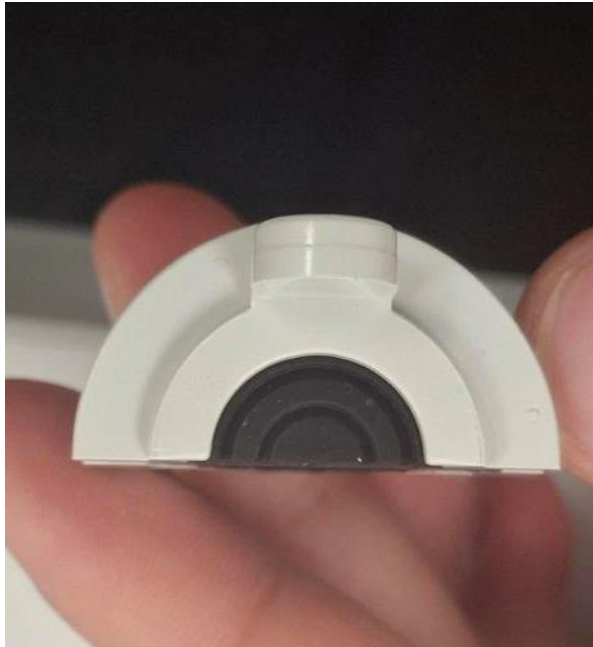
Installation of the Inline Cable Seal

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.
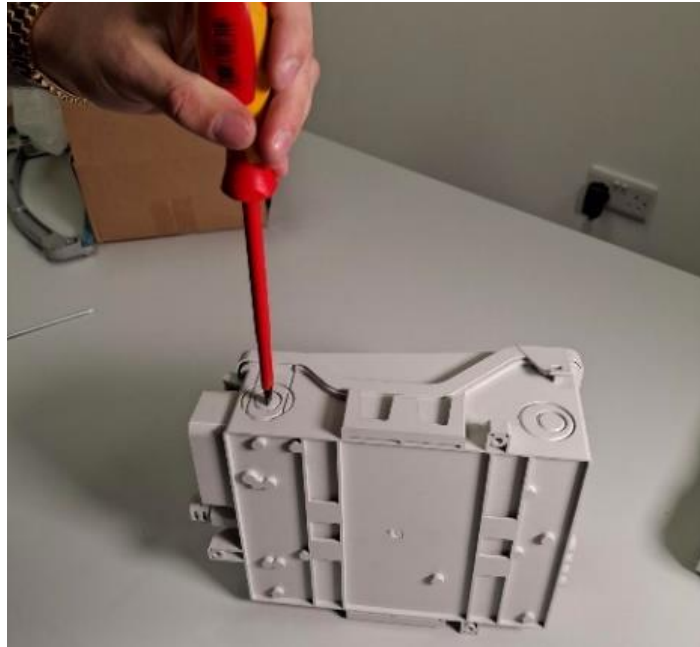
Installation of the Inline Cable Seal

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

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

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