Enbeam Fibre Optic Splice Closure 208-506 Instruction Manual

excel without compromise.

1. General Introduction

208-507 The Enbeam fibre splice enclosure has been designed to house fibre optic connections for external applications and the distribution of fibre cables where a high level of water resistance is required. It is widely used in many applications: pole-mounting and wall-mounting. With an IP rating of IP68 the compact size gives flexibility to the installation and offers up to 144 splices via its hinged splice tray array.

2. Specification

Dimensions (mm)	380x245x130	**Max. capacity (single fibre)**	144 fibre
Weight (kg)	4.5~5	**Sealing type**	Mechanical
Cable ports	1 input cable port for un-cut cable from diameter from10~17.5mm. 24 output cable port for cable diameter 4mm.	**Single splice tray capacity (Single fibre)**	12
Splice tray quantity	1~12		

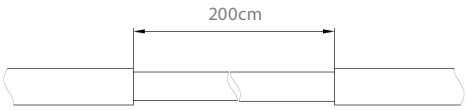
Installation

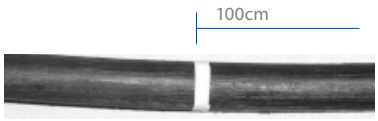
Preparation

- Check all accessories of the splice enclosure and cable before installation.
- All components of the splice enclosure must be kept dry and clean.
- The working site must be kept clean (free from moisture and dust).

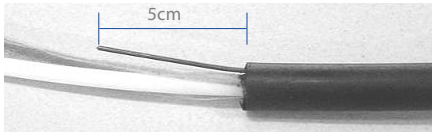
Cable Preparation

- For uncut cable mark and strip the outer jacket 200cm
- For Single cut cables strip the outer jacket by 100cm



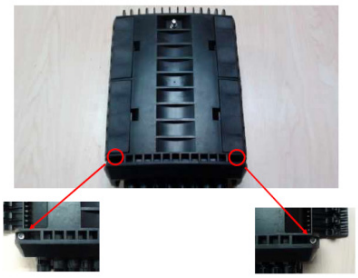


- Cut back the strength member to 5cm

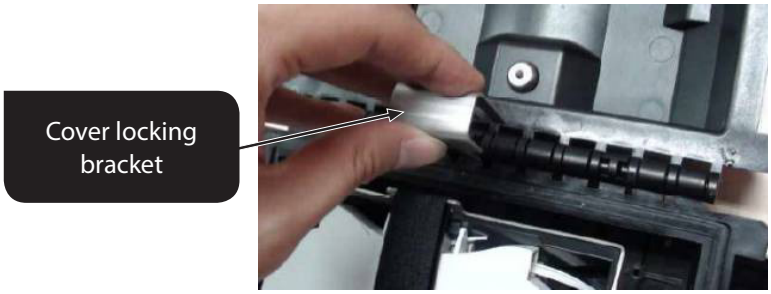


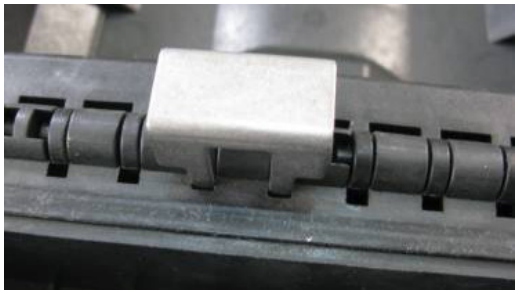
To open

- Open the 4 x compression latches using a flat bladed screwdriver
- Loosen the 2 x hexagonal bolts until the enclosure opens (do not remove completely)



- To prevent the cover closing during installation, use the cover locking bracket and inset as shown below

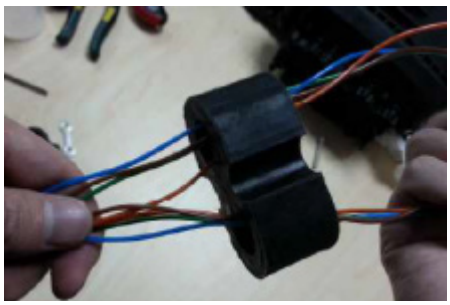




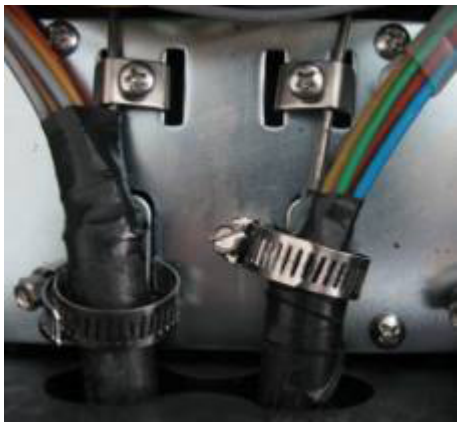
Oval port for uncut cable

- Taking a cable with 200cm of cable jacket removed mid span, make a loop
- Take the Oval rubber seal and cut as shown

- Feed the loop through the compression gland and rubber seal



- Feed the cable into the enclosure through the oval port
- Secure the cable ends to the internal cable clamp

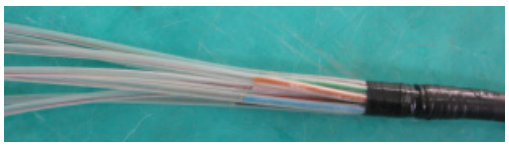


- Secure the strength member to the end of the cable clamp
- With the cable fully secured push the rubber seal into the oval port followed by the compression gland and tighten the hexagonal bolts.

Small round cable entry ports

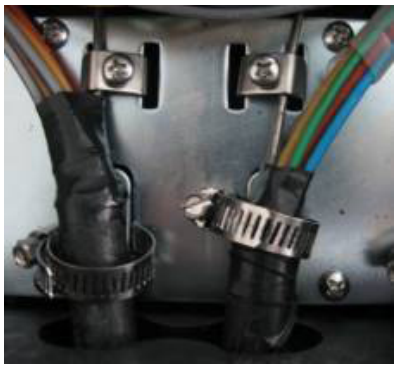
- Taking a cable with 100cm of cable jacket removed
- Feed the cable through the plastic compression nut followed by the rubber seal

- Using the transit tubing supplied feed the bare fibre in to required tubes and fix using insulation tape provided



- Push the cable through the required round port

- Secure the cable ends to the internal cable clamp



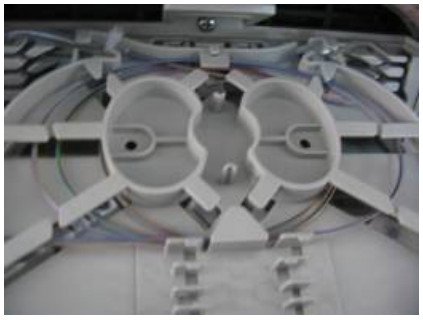
- Secure the strength member to the end of the cable clamp as shown above
- With the cable fully secured push the rubber seal into the round port followed by the compression gland and tighten the plastic compression nut

- If the round port is not to be used insert the blanks provided
- And seal with the compression gland as above

Fibre routing

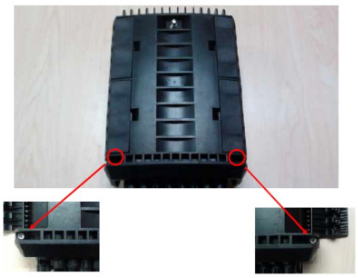
- Cables should be routed to the side channels of the splice trays, all Fibre should be protected by transit tube of spiral wrap (supplied) and fibres fed to each tray as required

- Bare fibres are routed around the splice tray allowing for additional length of fibre for rework. Each fibre is then spliced and splice protectors placed in to the space provided.

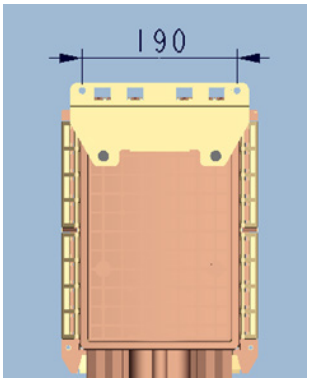


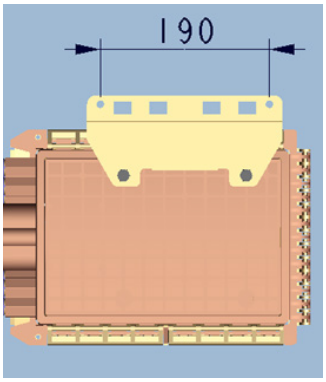
To close

- Tighten the 2 x hexagonal bolts
- Close the 4 x compression latches

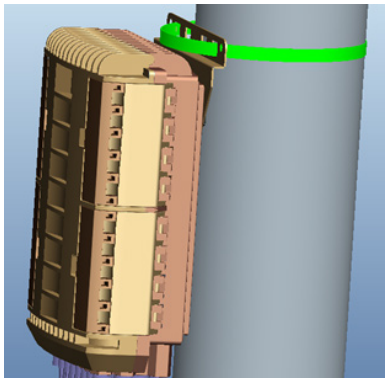


6. Installation





Wall mounting



Pole mounting

7. Main technical data

7.1 Environmental temperature: -40°C~+65°C

7.2 Optical performance: No significant additional attenuation

7.3 IP68