

Enbeam Fibre Optic Splice Closure 208-506 Instruction Manual



1. General Introduction

208-506 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

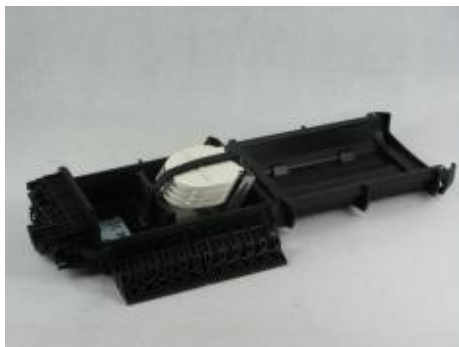
The compact size gives flexibility to the installation and offers up to 48 splices via its hinged splice tray array and 24 sc simplex adaptor positions for use with Passive optical splitters.

2. Specification

Dimensions (mm)	380x245x130	Max. capacity (single fibre)	48
Weight (kg)	3~3.5	Sealing type	Mechanical
Cable ports	1 input cable port for un-cut cable from diameter from 10~17.5mm. 24 output cable port for cable diameter 4mm.	Single splice tray capacity (Single fibre)	12
Splice tray quantity	1~4		

3. Structure

3.1 Closure and accessories (Picture 1)



Picture 1

4. Installation Instruction

Installation

Preparation

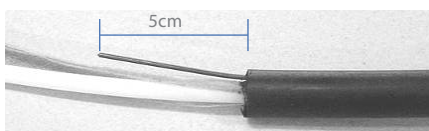
- Check all accessories of the splice enclosure and cable before installation.
- All components of the splice enclosure must be kept dry and clean.
- The working site must be kept clean (free from moisture and dust).

Cable Preparation

- For uncut cable mark and strip the outer jacket 200cm

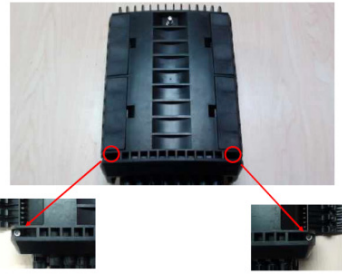


- Cut back the strength member to 5cm



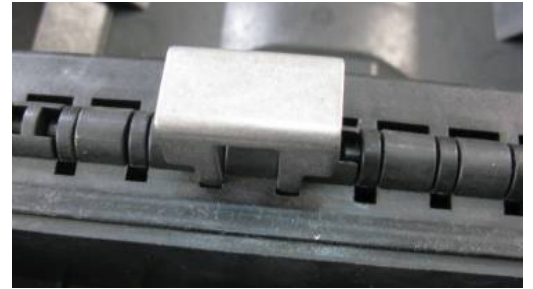
To open

- 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

Cover locking bracket

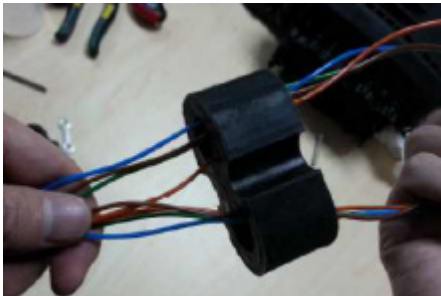


Oval port for uncut cable

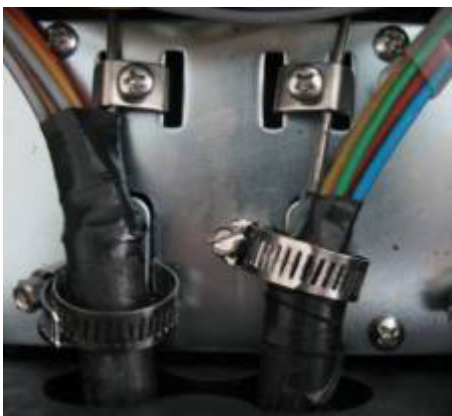
- Taking a cable with 200cm of cable jacket removed mid span, make a loop
- Take the Oval rubber seal and cut as shown



- 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

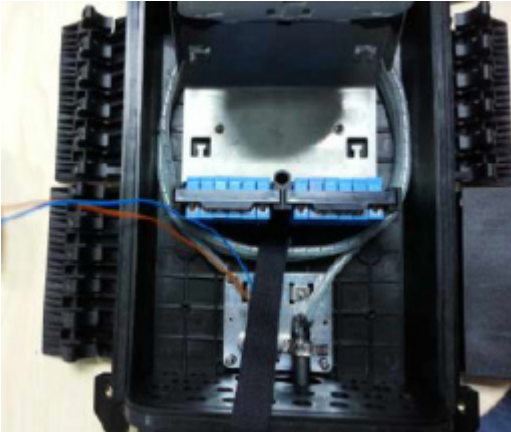


- Secure the strength member to the end of the cable clamp
- With the cable fully secured push the rubber seal into the oval port followed by the compression gland and tighten the hexagonal bolts.



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.

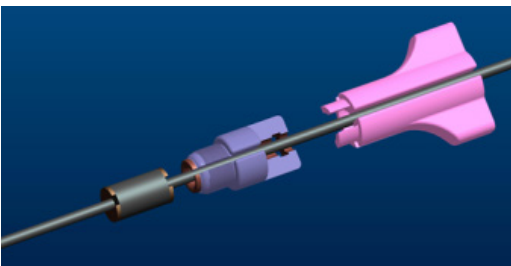


- Bare fibres are routed around the splice tray allowing for additional length of fibre for rework. Each fibre is then spliced and splice protectors placed in to the space provided.

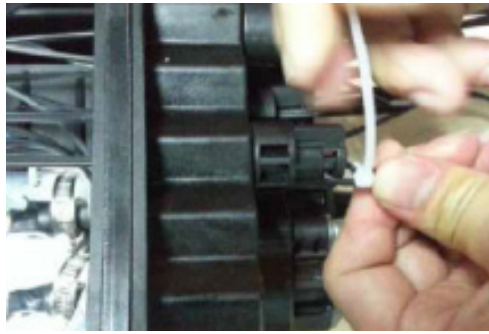


Drop cable installation

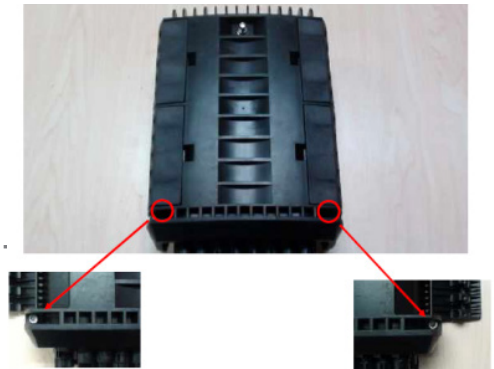
- Insert cable as shown below



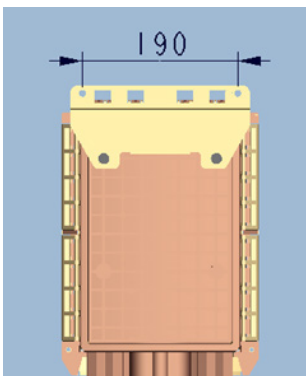
- Insert into required port and tighten
- Remove tool and fix cable with a nylon cable tie as shown



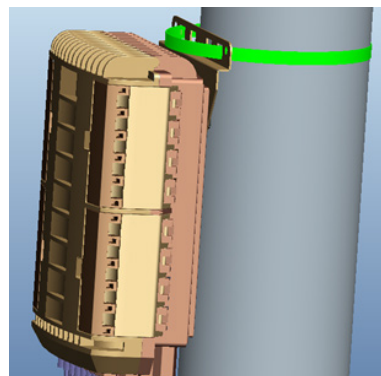
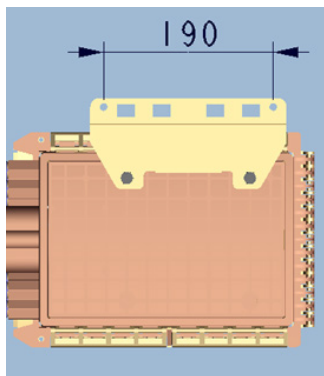
- Tighten the 2 x hexagonal bolts
- Close the 4 x compression latches



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