



INSTALLATION INSTRUCTIONS - METAL DOME CLOSURE

Catalogue Number: GOT 2/4 and GOT 48/4

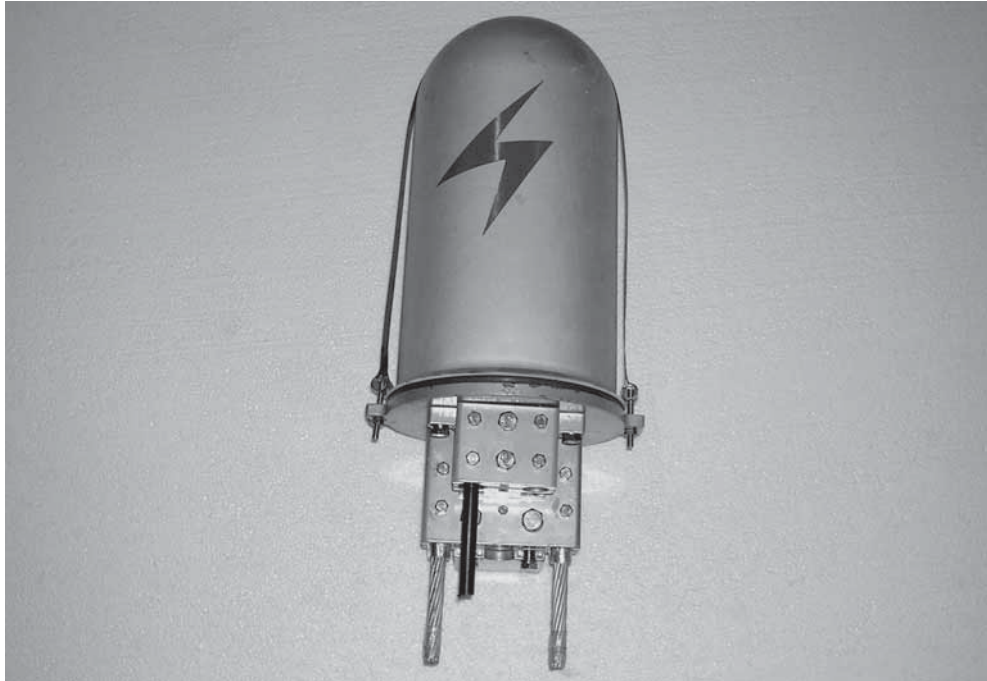


Figure: 1

**These installation instructions are a guideline for the trained craftspeople.
Be sure to read and completely understand this procedure before applying this product**

CABLE PREPARATION

1. Mark the joint position on the tower at a height sufficiently above the anti climb device that will allow for the joint to be returned to ground level or the working platform on the tower.
2. Clamp OPGW at a maximum of 2m intervals to the tower structure and at every steelwork intersection up to the Joint position and mark the cable.
3. Release the minimum number of clamps required to allow the cable ends to be brought to ground level or to the working platform for splicing.
4. Bind the cable at the mark to prevent flaring. From this point measure an additional 2.5m and cut both cables adjacent to one another.
5. At the original mark, using a pipe cutter or approved tools carefully cut the outer strands $\frac{3}{4}$ of the way through. Be careful not to damage the steel tube by cutting or kinking. (See Fig 2)
6. Unwind the strands one at a time and bend to break at binding wire or tape (See Fig 3) to expose fibre tubes.

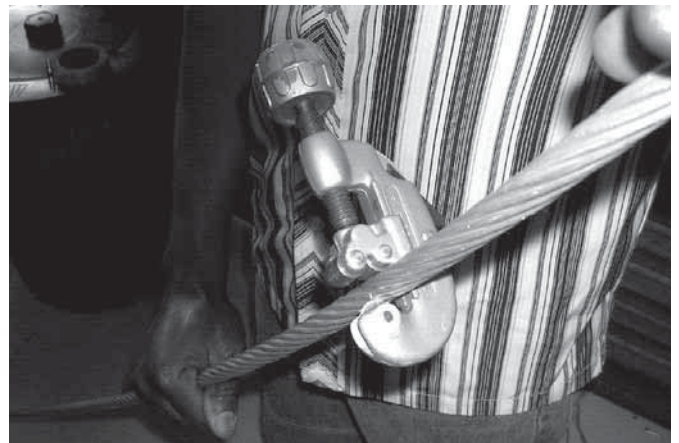


Figure: 2



Figure: 3

- Using the tools approved by cable manufacturer cut the stainless tube 60 mm from the binding wire or tape.
(See Fig 4)

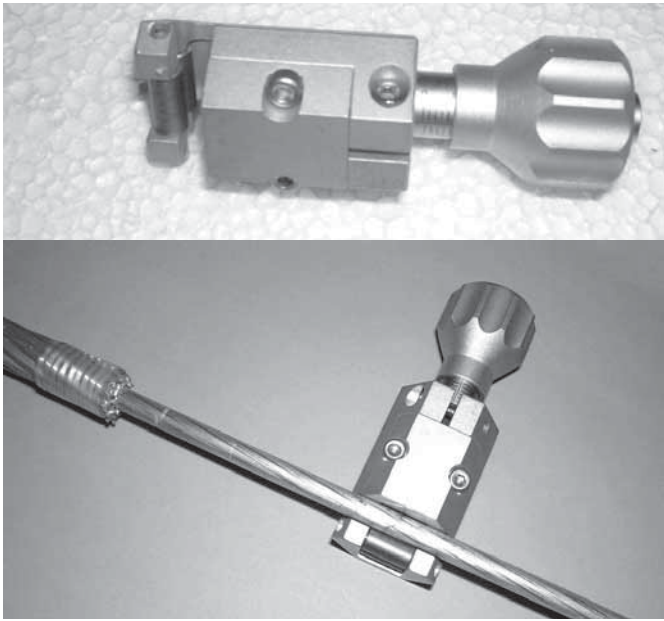


Figure: 4 – Stainless steel tube cutter

FIBRE PREPARATION

- Push Fibre tubes through reduction and sealing ferrule (gland ferrule) provided in the kit. (See Fig 5)

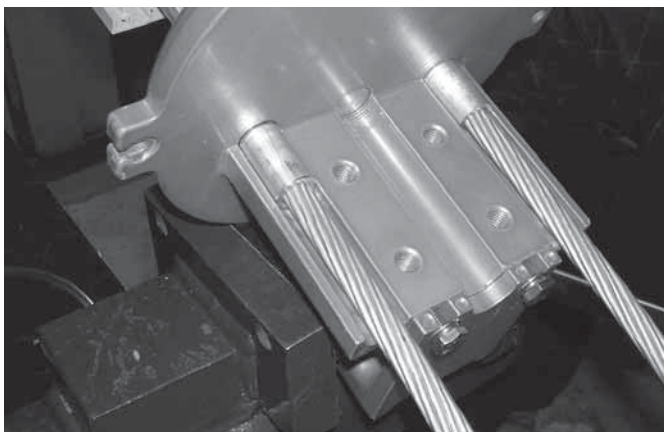


Figure: 5

PLP Tip before inserting All Alum Alloy OPGW into ferrules brush OPGW using a conductor cleaning brush and apply a conductive non oxide grease to the cable, this will prevent any oxidation once the clamp has been closed.

- Install aluminium spacer tube and aluminium filler halves to enlarge the OD of the OPGW.

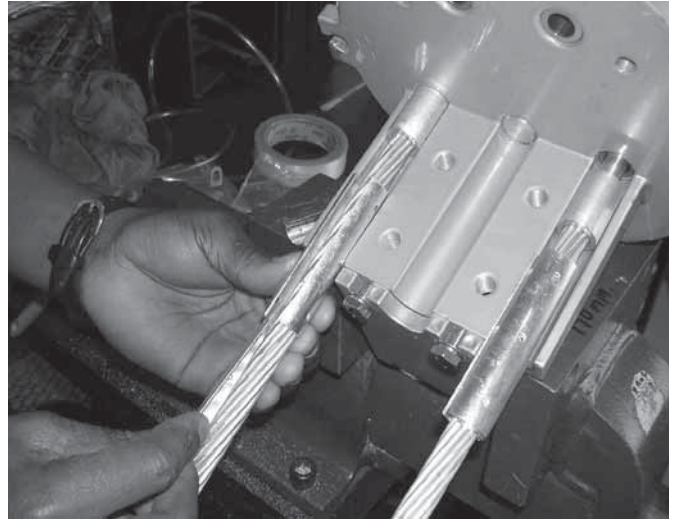


Figure: 6

- Fit and tighten Parallel groove front clamp half once all the spacers and reduction ferrules are in place as shown.
(See Fig 7)

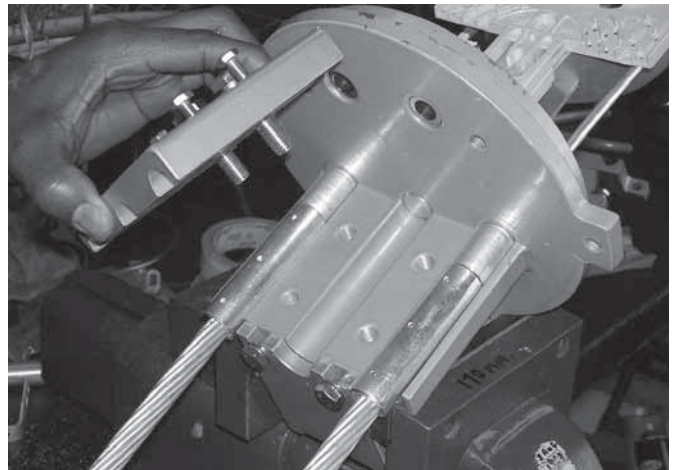


Figure: 7

- Once the Fibre tubes and Stainless steel tubes have been secured in the sealing gland fit heat shrinkable tube over stainless steel tube and exposed end of ferrules. Using a heat gun apply heat to heat shrink tube and seal end of ferrule. Ensure that heat is evenly distributed to prevent the heat shrink tube from burning and bubbling.
(See Fig 8)



Figure: 8

- Using a buffer tube cutter carefully cut the fibre tubes to expose the fibres. Cut the transportation tube to the correct length; feed the fibres through the transportation tube and secure to fan – out tray using the cable ties provided. (See Fig 9)

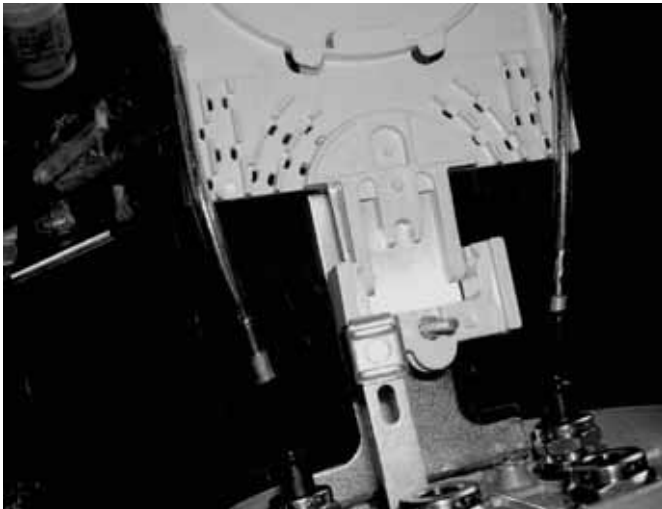


Figure: 9

PLEASE NOTE: It is important that the fibres be placed into the fan – out tray so as to allow for fibre movement see example figure 10.

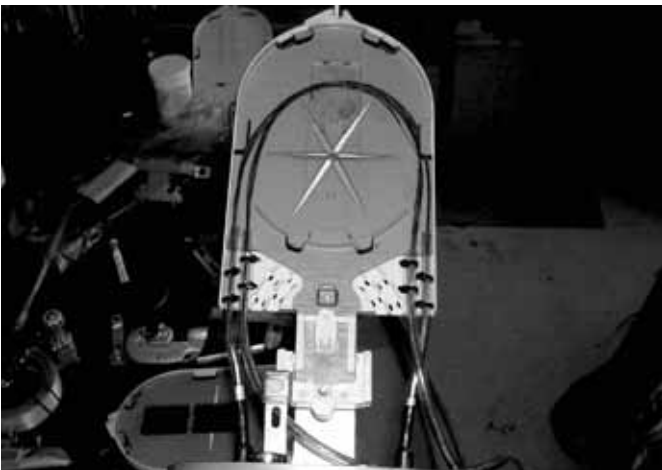


Figure: 10

Once the fibres have been placed into the fan – out tray, split the fibres, cut a suitable length of transportation tube and push fibres through them; included are two 24 fibre trays, guide the fibres to the trays and secure the transportation tubes with the cable ties provided. (See Fig 11) splice fibres as per recommended practice.

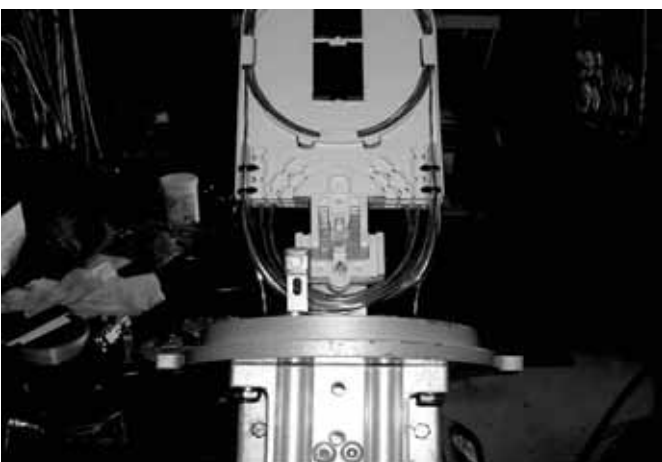


Figure: 11

Where ADSS is being used with OPGW (See Fig 12) a strength member bracket is provided. Strength member should be secured tightly under the strength member end clamp. (See Fig 13)

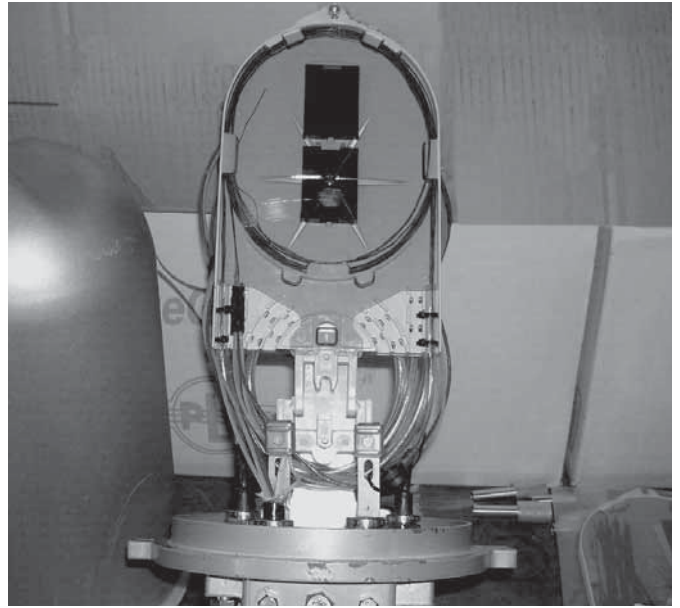


Figure: 12

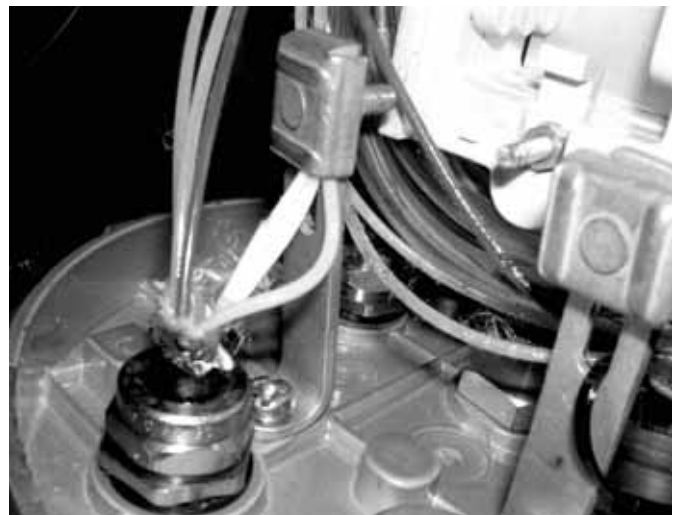


Figure: 13

The PLP Dome closure is a four entry port closure and where a port is not required remove sealing gland and replace with sealing plugs which are provided in the kit. (See fig 14)



Figure: 14

Once the closure has been completed ensure that all sealing glands have been tightened and close and secure closure.



Where the closure is to be fitted to an insulated tower, a mounting insulator (not supplied with closure) is used between closure base and tower clamp.



SAFETY CONSIDERATIONS

1. This application procedure is not intended to supersede any company construction or safety standards. This procedure is offered only to illustrate safe application for the individual. Failure to follow these procedures may result in personal injury.
2. When working in the area of energized lines, extra care should be taken to prevent accidental electrical contact.
3. For proper performance and personal safety, be sure to select the proper size PREFORMED™ product before application.
4. This product is intended for use by trained craftspeople only. This product should not be used by anyone who is not familiar with, and not trained to use it.



PREFORMED LINE PRODUCTS

Preformed Line Products (S.A.) (Pty) Ltd.

180 Ohrtmann Road, Willowton, Pietermaritzburg
PO Box 4015 Pietermaritzburg 3200
Tel +27 (0)33 397 5800 | fax +27 (0)33 387 7094
plppmb@preformedsa.co.za | www.preformedsa.co.za

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