

## Small Butt-Style Closure for Flat Fiber Optic Cables

### 1.0 General Product Information

The Gator 12F splice closure is designed to connect two flat drop cables containing 1 – 12 fibers in above ground, below grade, or direct buried applications. Gator closures use CommScope gel sealing technology to create a sealed closure system that is capable of fitting into small areas such as small “flowerpot” style handholes.

Designed for use with tonable or non-tonable, loose tube fiber flat drop cables, this closure can store up to 12 fusion or

mechanical splices. The Gator closure is also capable of accommodating 12-fiber ribbon cable. This closure is re-enterable, but it is not re-usable after it has been closed.

\*Note that some flat drop cables are designed with bonded strength members, and may therefore not need the strength members separately terminated. Contact your cable manufacturer for further information.

Note: It may be necessary to thread larger cables through the fiber retention tabs before securing the cable.

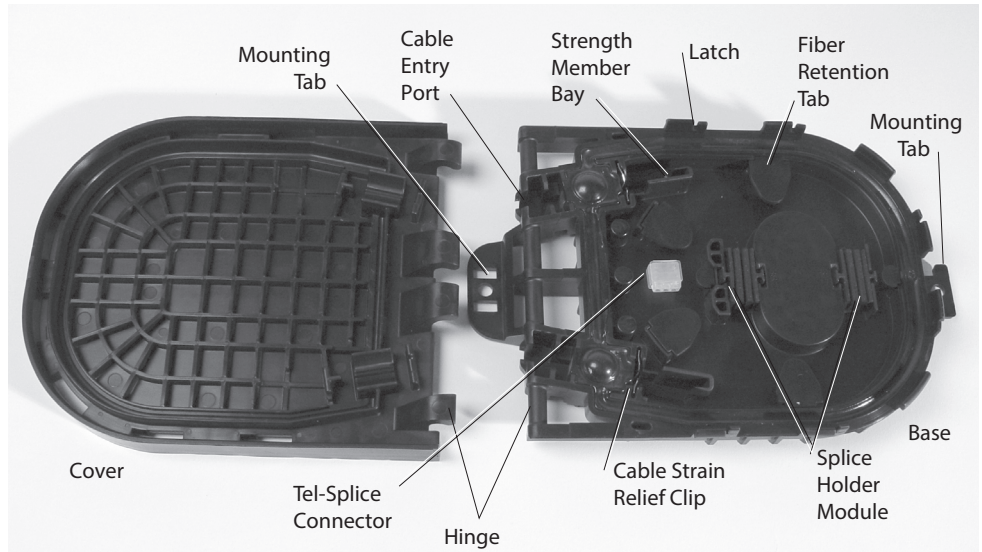


Figure 1

### 2.0 Kit Components

- One base and one cover packed in a polybag
- One Tel-Splice connector

### 3.0 Installation Instructions

Note: A 38" fiber length is recommended for splices stored in the bottom splice module, and a 32" fiber length is recommended for splices stored in the top splice module.

1. Prepare the drop cable as shown in Figure 2, and clean the exposed fiber.
  - While shorter fiber lengths are acceptable, remove 38" or 32" of outer cable jacket if available.
  - Remove all but 1-1/2" of the core tube or buffer tube.
  - Remove all but 3/4" of each strength member.
  - Trim aramid yarn at the jacket ring cut.

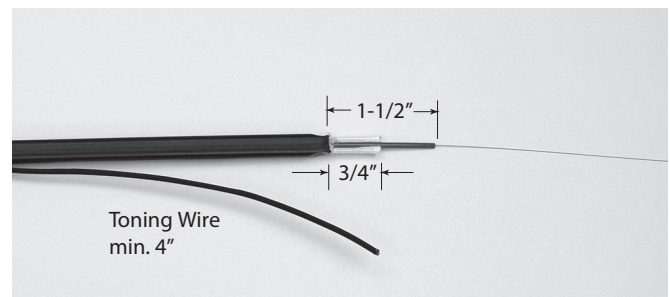
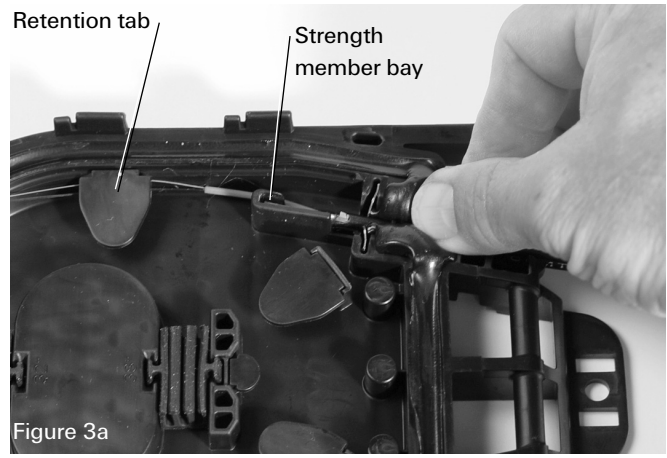
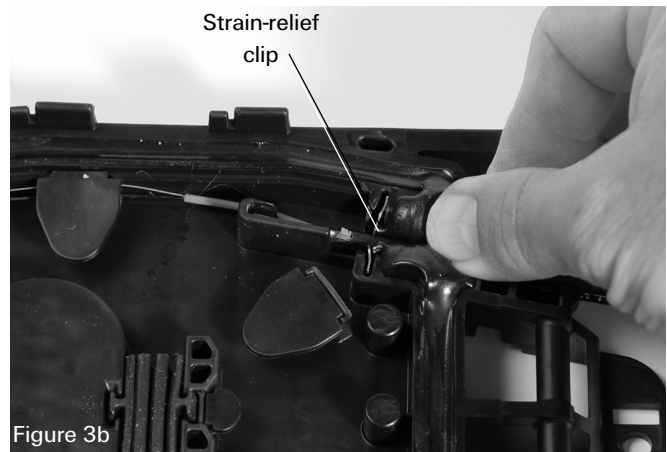


Figure 2

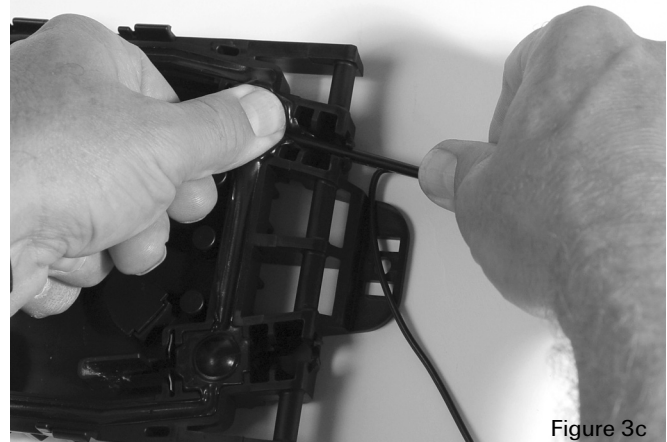
2. For tonable drop cables, strip the toning wire from the cable jacket at least 4" from the cable jacket ring cut.
3. Route the fibers under the retention tab in front of the cable port. (Figure 3a)
4. Keeping the buffer tube against the inside wall of the closure as shown, push the strength member(s) into the strength member bay. (Figure 3a)



5. Push downward to insert the cable into the strain-relief clip. (Figure 3b)



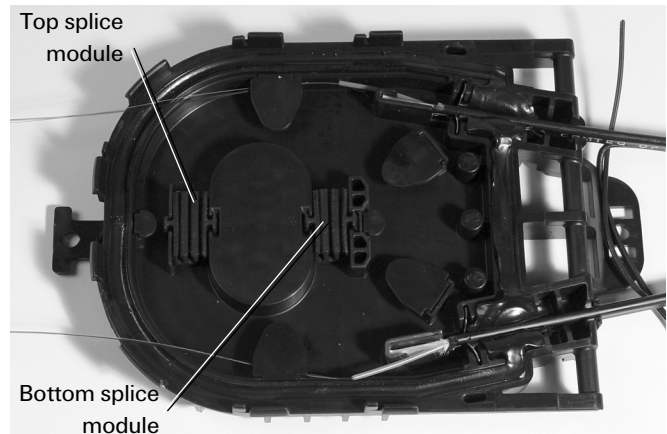
6. Push down firmly on the cable just outside the closure to ensure it has seated completely into the strain-relief clip, the gel-filled compartment, and the exterior cable port (Figure 3c).



7. Splice the fibers per locally approved practice. Store the splices in the two 3-position splice modules, double stacking the splices as needed. Figure 4 identifies the locations of the splice modules.

Fibers cut to 32" are stored in the top splice module.  
Fibers cut to 38" are stored in the bottom splice module.

**IMPORTANT: Fibers stored in the bottom module must be rotated 180°.**



8. **IMPORTANT:** Store the spliced fibers or ribbon slack in loops under the five retention tabs as shown. (Figure 5)



Figure 5

9. Position the cover of the closure over the base so that the hinges interlock (Figure 6), and close the cover down on the base.



Figure 6

10. Squeeze and latch the rounded end of the closure first, then the sides. (Figure 7) All eight latches must latch completely with an audible “snap”.



Figure 7

11. If applicable, reconnect the toning wires outside of the Gator closure using the provided Tel-Splice connector (Figure 8), or per locally approved practices.

**Note:** If necessary, shave toner wire insulation so that it will fit into the Tel-Splice connector. **DO NOT STRIP INSULATION.**

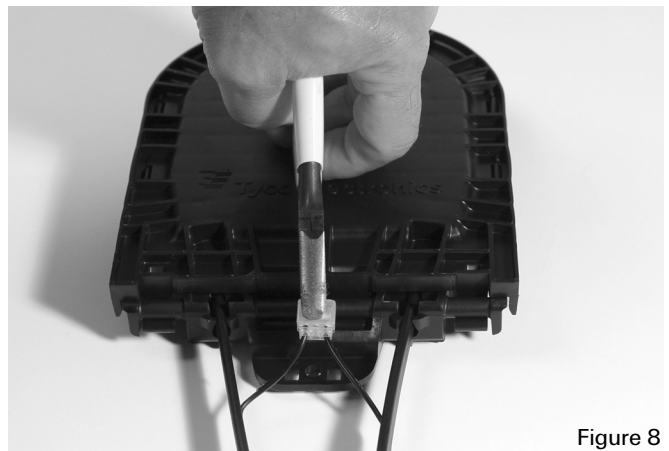


Figure 8

12. Examine the latches and compare them to Figure 9. If they are not latched, apply pressure at each latch point.
13. This completes the product installation.

The Gator closure can be mounted using the mounting tabs on either side of the base (mounting hardware not included). Mount the closure per company approved methods with bolts or straps.

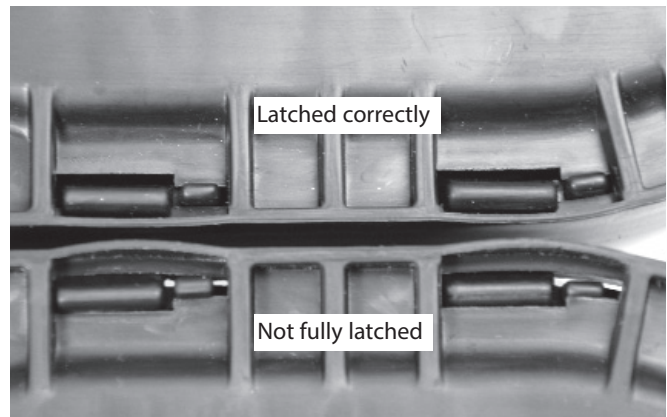


Figure 9

#### 4.0 Product Re-Entry

1. Insert a flat blade screwdriver under the outside lip of the cover at each of the eight latch points, and pry the lip away until the plastic lip breaks (Figure 10). Pull upward on the cover of the closure and remove it (Figure 11). Cables can be simply pulled up out of the ports.

Note: The Gator closure cannot be re-used after re-entry.

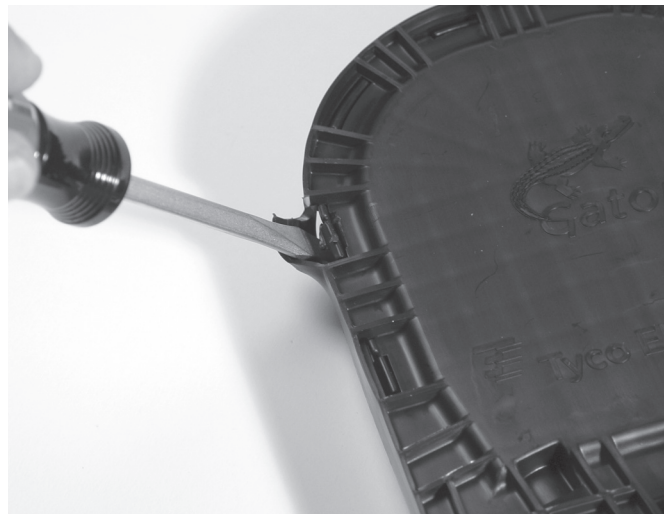


Figure 10

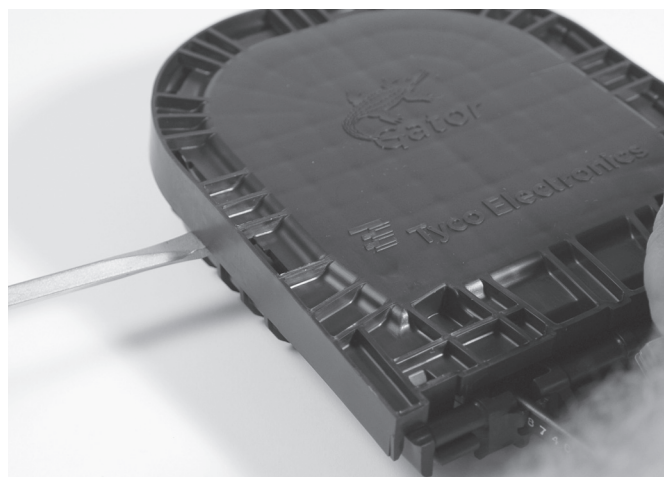


Figure 11

Tyco Electronics Corporation  
8000 Purfoy Road  
Fuquay-Varina, NC 27526-3000  
Tel.: 919-557-8900  
Fax: 919-557-8498  
www.tycoelectronics.com

Gator, CommScope logo, and CommScope are trademarks.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, CommScope makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. CommScope's obligations shall only be as set forth in CommScope's Standard Terms and Conditions of Sale for this product and in no case will CommScope be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of CommScope products should make their own evaluation to determine the suitability of each such product for the specific application.