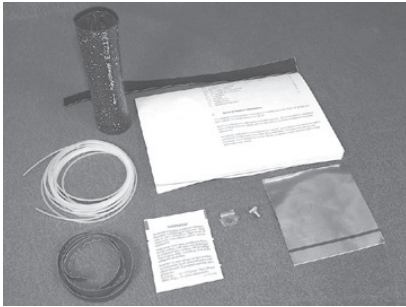


Round Port Cable Seal Kit



1.0 General Product Information

The FOSC ACC A8/B8 CS round port seal kit contains hardware and components required to seal drop cables 0.2" to 0.4" in diameter in the round ports of FOSC 400 A8 or B8 closures. This kit should be used in combination with, or to retrofit additional cables into, a FOSC 400 A8 or B8 closure kit. Instructions for routing and splicing the fibers inside the closure are covered in the installation instructions included with the main closure kit.

2.0 Kit Contents

- Heat-shrink tube
- Mini transportation tubing
- Abrasive strip
- LBT wrapping tape
- Aluminum tape
- Cleaning tissue
- Bolt and square washer for strength member attachment

3.0 Installation Instructions

3.1 Drop Cable Preparation

Cable Preparation for All Cable Types
(continued below for Ribbon or Central Core Tube)

Loose Buffer Tube Cable

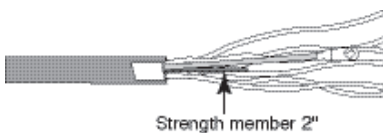


Fig. 1

1. For loose buffer tubes that will be routed through the basket and then to the tray, mark the cable jacket 57" from the end. For all other situations, mark the drop cable jacket 36" from the end. Ring cut the cable jacket at the mark and remove the outer sheath and shield (if present) from the cable.
2. If using ground clamps, pull rip cords 1" past ring cut. Bond wires must be installed after cable has been inserted through port. (Recommended bond wires and clamp are included in FOSC-ACC-BOND-CLAMP-5.5)
3. Remove yarn and cloth, trim components at ring cut, and clean exposed fiber or buffer tubes.
4. Cut each strength member 2" from the ring cut. (Figure 1)

Note: For loose buffer tube cable, separate the buffer tubes to provide easy access to the shortened strength member.

IMPORTANT: If using Central Core Tube or Ribbon Cable, continue with subsequent steps below.

Central Core Tube Loose Fiber Cable, routed directly to tray

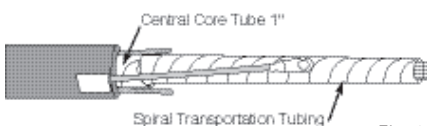


Fig. 2

Central Core Tube Loose Fiber Cable Preparation

7. To route the fibers directly to the tray, either for storage or for splicing, cut the core tube 1" from the ring cut and extend with spiral transportation tubing. Do not route core tubing directly to the tray. (Figure 2)

Ribbon Cable Preparation (Basket recommended)

7. If the ribbon will be routed to the basket, ring cut and remove all but 6" of core tube. Secure the core tube to the basket with cable ties. The ribbon will have to be transported from the basket up to the designated tray under the tray tower using transportation or spiral tubing. (Figure 3)

Note: Ribbon slack will have to be pulled back into the basket. Ribbon cannot be stored on the tray unless it has been de-ribbonized.

8. If routing ribbon fibers directly to the tray, cut the core tube 1" from the ring cut and extend with spiral or transportation tubing. Do not route core tubing directly to the tray.
9. For single-fiber splicing of ribbon cable, if routing the fibers directly to the tray, de-ribbonize the ribbon near the base and use transportation or spiral tubing to protect the fibers as they are routed onto the trays.

3.2 Install Cable in Port

1. Open the desired port(s). Heat the ports first with a hot air gun to soften them, then cut at the ridge with a hook-blade utility knife or a hacksaw. (Figure 4)
2. Slide the cable through the selected port. Do not over-bend buffer tubes, ribbons, or fibers.

IMPORTANT: Make sure the port seal is slid over the cable BEFORE installing the cable into the port. The arrow on the seal must point toward the closure base.

3. (Optional) Install bond wires, if applicable, after cable has been inserted through round port. Open the sheath and armor at the 1" rip and crimp the bond wire clamp around both armor and outer jacket, with hooks facing the exposed cable components. Wrap the end of the cable and crimp with vinyl tape.
4. Trim the strength member even with the edge of the bracket, if necessary. (Figure 5)
5. Install square washer and bolt to hold strength member to bracket. Tighten completely with can wrench. (Figure 6)
6. To bond the cables in common for grounding, attach the bond wires to the closure's ground cable, and attach an external ground wire to the bolt on the outside of the base.

3.3 Seal Cable in Port

1. Clean the port and 8" of the cable sheath beyond the port edge with the supplied cleaning tissue.
2. Abrade the port and 8" of cable with the supplied abrasive strip, and remove any abraded material from the port with a clean dry rag.
3. Slide the port seal up against the base and mark the cables at the end of the seal. The arrow on the seal must point toward the closure base. (Figure 7)
4. Slide the tube back off the port.
5. Wrap each cable with aluminum tape by placing the blue stripe over the line made on the cable. (Figure 8)

Note: Make sure the longer side of the tape is facing away from the sleeve. The aluminum tape is used to protect the outer sheath only and not for sealing.

Ribbon cable, routed to basket

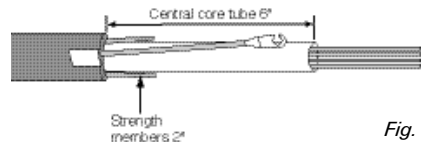


Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8

6. Slide the tube up against the base. (Figure 9)
7. With the FOSC CV1981 heat gun set on 10, begin heating the port sleeve at the base, shrinking a one inch strip around the port. Direct the air around the sleeve until the green paint turns dark brown. (Figure 10)

Note: Using heat gun reducer tip FACC-HEAT-GUN-TIP-01 will help reach interior spaces between ports when shrinking multiple round port seals.

8. Let cool for 15 seconds and continue heating the remainder of tube evenly until it has completely conformed to the cables.

The seal is completely installed when:

- Melted adhesive appears at the cable end (Red from the tube & yellow from the branch off clip).
- All green thermochromic paint on the seal is dark brown.

9. Installation is complete. (Figure 11)



Fig. 9



Fig. 10



Fig. 11

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