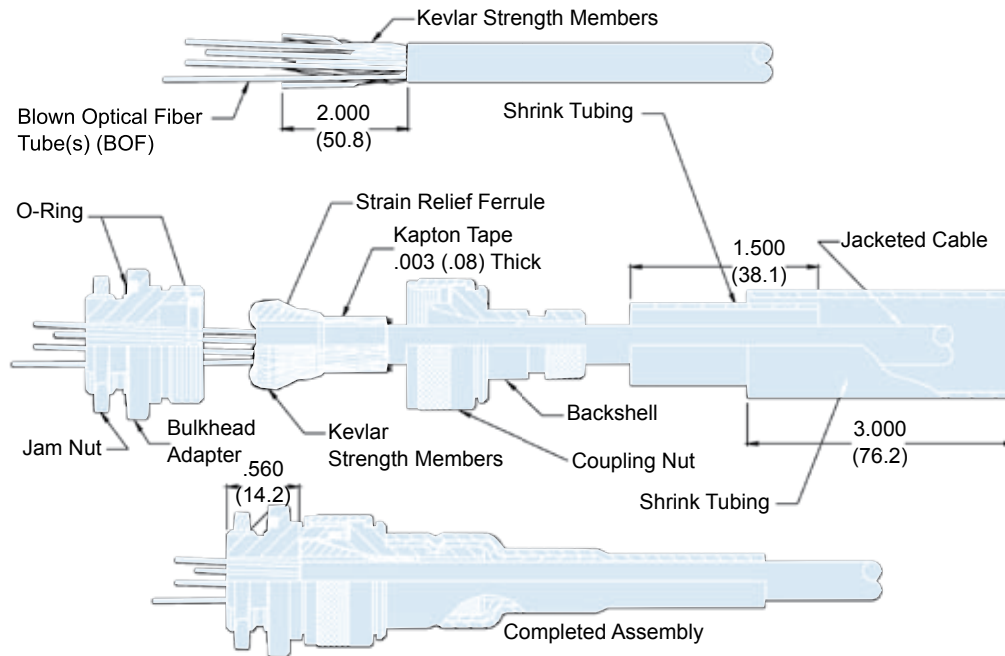


## The following suggested procedure serves as a guide for proper assembly and installation of Glenair Part Number 630-015 (GAP-017A) on Conventional Fiber Optic Cables:

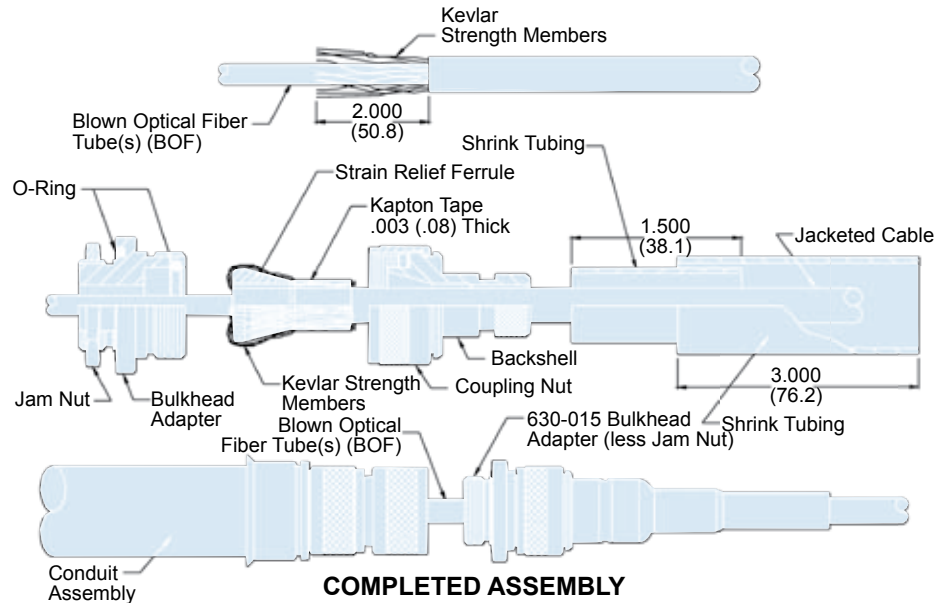
- A. Install two O-Rings and a Jam Nut onto the Bulkhead Adapter.
- B. Determine the required distance from the Strain-Relief Ferrule to where the Optical Fiber cable Components (OFCCs) end (Note that the distance from the Strain-Relief Ferrule to the end of the Bulkhead Adapter is .56 inch). Next, strip back the Cable Jacket (or jackets) to the Ferrule location.
- C. Cut off the Kevlar Strength Members so that they are about 2.0" from the end of the Jacket(s).
- D. Place items (1) Shrink Tubing, (2) Backshell, and (3) Strain-Relief Ferrule on the Cable(s) in sequence shown. Keep these components at a convenient distance from the end(s) of the Cable(s) so they will not interfere with the subsequent assembly steps.
- E. Line up the Strain-Relief Ferrule to the end of the Jacket(s) and fold back the Kevlar around the Ferrule. Be sure the Kevlar from all the Cables is spread evenly around the Ferrule.
- F. Use Kapton Tape (Permacel P/N P224) or equivalent to tape around the Kevlar right at the end of the Ferrule. Trim off the excess Kevlar extending from rear of tape.
- G. Couple the Backshell to the Bulkhead Adapter and tighten the Coupling Nut securely by using Glenair Series 600 Backshell assembly Tools. Recommended Torque Value is 50 to 60 in-lbs.
- H. Slide each Shrink Tubing over the Adapter as shown and shrink them with a Heat Gun (Ref: MIL-STD-2042). CAUTION: Do not overheat.
- I. Prepare and terminate the OFCCs in accordance with established practices (Ref: MIL-STD-2042).

## Glenair Assembly Procedure GAP-017B for Fiber Optic Feedthrough Adapter When Using Blown Fiber Optic Cable



The following suggested procedure serves as a guide for proper assembly and installation of Glenair Part Number 630-015 (GAP-017B) on One, Two or three Single-Tube BOF Cables:

- A. Install two O-Rings and a Jam Nut onto the Bulkhead Adapter.
- B. Determine the required distance from the Strain-Relief Ferrule to where the Blown Optical Fiber (BOF) Cable(s) end (Note that the distance from the Strain-Relief Ferrule to the end of the Bulkhead Adapter is .56 inch). Next, strip back the Cable Jacket (or jackets) to the Ferrule location.
- C. Cut off the Kevlar Strength Members so that they are about 2.0" from the end of the Jacket(s).
- D. Place items (1) Shrink Tubing, (2) Backshell, and (3) Strain-Relief Ferrule on the Cable(s) in sequence shown. Keep these components at a convenient distance from the end(s) of the Cable(s) so they will not interfere with the subsequent assembly steps.
- E. Line up the Strain-Relief Ferrule to the end of the Jacket(s) and fold back the Kevlar around the Ferrule. Be sure the Kevlar from all the Cables is spread evenly around the Ferrule.
- F. Use Kapton Tape (Permacel P/N P224) or equivalent to tape around the Kevlar right at the end of the Ferrule. Trim off the excess Kevlar extending from rear of tape.
- G. Couple the Backshell to the Bulkhead Adapter and tighten the Coupling Nut securely by using Glenair Series 600 Backshell assembly Tools. Recommended Torque Value is 50 to 60 in-lbs.
- H. Slide each Shrink Tubing over the Adapter as shown and shrink them with a Heat Gun (Ref: MIL-STD-2042). CAUTION: Do not overheat.
- I. Prepare and terminate the BOF Cables in accordance with established practices (Ref: MIL-STD-2042 and NAVSEA DWG #7650121).



The following suggested procedure serves as a guide for proper assembly and installation of Glenair Part Number 630-015 (GAP-017C) on One, Two or Three Single-Tube BOF Cables and a Glenair Part Number 749-720 Conduit Assembly:

- A.** Install two O-Rings and a Jam Nut onto the Bulkhead Adapter.
- B.** Determine the required distance from the Strain-Relief Ferrule to where the Blown Optical Fiber (BOF) Cable(s) end (Note that the distance from the Strain-Relief Ferrule to the end of the Bulkhead Adapter is .56 inch). Next, strip back the Cable Jacket (or jackets) to the Ferrule location.
- C.** Cut off the Kevlar Strength Members so that they are about 2.0" from the end of the Jacket(s).
- D.** Place items (1) Shrink Tubing, (2) Backshell, and (3) Strain-Relief Ferrule on the Cable(s) in sequence shown. Keep these components at a convenient distance from the end(s) of the Cable(s) so they will not interfere with the subsequent assembly steps.
- E.** Line up the Strain-Relief Ferrule to the end of the Jacket(s) and fold back the Kevlar around the Ferrule. Be sure the Kevlar from all the Cables is spread evenly around the Ferrule.
- F.** Use Kapton Tape (Permacel P/N P224) or equivalent to tape around the Kevlar right at the end of the Ferrule. Trim off the excess Kevlar extending from rear of tape.
- G.** Couple the Backshell to the Bulkhead Adapter and tighten the Coupling Nut securely by using Glenair Series 600 Backshell assembly Tools. Recommended Torque Value is 50 to 60 in-lbs.
- H.** Slide each Shrink Tubing over the Adapter as shown and shrink them with a Heat Gun (Ref: MIL-STD-2042). CAUTION: Do not overheat.
- I.** Prepare and terminate the BOF Cables in accordance with established practices (Ref: MIL-STD-2042 and NAVSEA DWG #7650121).
- J.** Couple the Feed-Through Adapter Assembly to the Conduit assembly as shown.