



A Furukawa Company

Sheath Removal for AccuFlex®+ Cable

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1. General

- 1.1 The following procedure describes sheath removal for OFS AccuFlex®+ optical fiber cable.
- 1.2 AccuFlex+ cable is a gel-free, dielectric, central-tube cable. The gel-free design eliminates the cost and labor associated with cleaning the ribbon fibers prior to splicing. The cable contains 24-fiber AccuRibbon® and is available with 576 to 864 fibers.

2. Required Tools

The following tools and materials are recommended for use in the sheath removal procedure.

- Cable sheath knife
- Scissors
- Diagonal cutters
- Pliers
- Tape measure
- 1050E core tube entry tool
- Safety glasses

Caution: Safety glasses should always be worn when working with optical fiber cables.

3. End Prep Sheath Removal

- 3.1 Consult the closure instructions to determine the length of cable jacket that must be removed. Measure and mark the cable at the appropriate stripping length.



- 3.2 Ring cut the cable at recommended stripping length.



- 3.3 Ring cut the cable a second time about 4 inches from the cable end.



- 3.4** Make two parallel slits in the jacket between the cable end and the adjacent ring cut. The slits should be approximately 180° apart. Remove the 4 inch section of cable sheath to expose the rip cords.



- 3.5** Wrap the rip cord around the pliers and pull the rip cord through the outer jacket on each side of the cable to first ring cut.



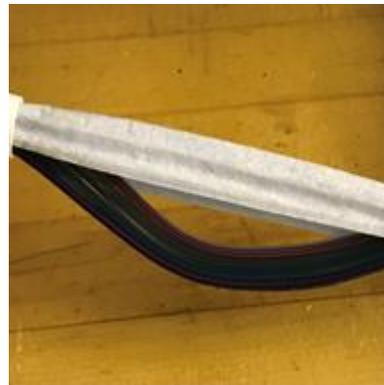
- 3.6** While holding the strength members (rods and rovings) against the core tube, pull the cable jacket to remove.



3.7 Cut and remove the rods and rovings.



3.8 Ring cut the core tube at the recommended length using a 1050E core tube entry tool. Refer to OFS IP-054, *1050 Series Core Tube Entry Tools*, for further information on the 1050-type tools. Remove the core tube to expose the ribbons and water blocking tape.



3.9 Cut and remove water blocking tape to expose the fiber ribbons. Proceed as required with the closure assembly and splicing operations.

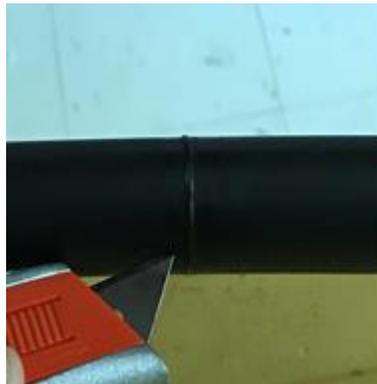


4. Mid-Span Sheath Removal

- 4.1 Refer to the closure documentation to determine the length of cable jacket that must be removed. Place tape marks on the cable to identify the section to be opened. Ring cut the cable sheath at both tape marks.



- 4.2 At the center point of the section being opened, make two more ring cuts about 6 inches apart. Make two parallel slits in the jacket between the two adjacent ring cuts. The slits should be approximately 180° apart. Remove the 6-inch length of cable jacket between the adjacent ring cuts. Cut the rip cords in the center of the sheath opening.



- 4.3 Wrap a rip cord around pliers and pull it through the jacket to the ring cut. Repeat with the second rip cord and in both directions.



4.4 While holding the strength members (rods and rovings) against the core tube, pull the cable jacket to remove.



4.5 Cut and remove the rods and rovings.



4.6 Refer to the closure instructions to determine the length of core tube that is required inside the closure. Mark the core tube at the required length and use the 1050E core tube entry tool to slit the tube between the marks. Next, ring cut core tube at the marks and remove. Refer to OFS IP-054, *1050 Series Core Tube Entry Tools*, for further information on the 1050-type tools.



4.7 Cut and remove water blocking tape to expose the fiber ribbons. Proceed as required with the closure assembly and splicing operations.



For additional information please contact your sales representative. You can also visit our website at www.ofsoptics.com or call 1-888-FIBERHELP (1-888-342-3743) from inside the USA or 1-770-798-5555 from outside the USA.

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