Cleerline SSF™ Tactical Connector

Termination With:
SSF™ 2 Strand Tactical Breakout Fiber Optic Cable

Cleerline 2 Strand Tactical Breakout in single mode or multimode is recommended for use with the SSF™ Tactical Connector System. Due to SSF™ fiber’s extreme durability your cleaver may require a wheel height adjustment to successfully cleave SSF™ fiber.

SSF-TOC-MDLC Male Duplex Connector Housing

1. Disassemble Male Tactical Housing. Remove #7 Cable Split Grommet Halves from #6 Inner Housing.
2. Slide #8 Compression Nut, #6 Inner Housing, and #2 Outer Housing onto cable as shown.
3. Remove 70 mm of outer cable jacket. Place mark on inner subunits at 28 mm from end of outer jacket.
4. Slide LC connector boot and 2.0 mm build-up tube onto each cable subunit.
5. Using medium 900 µm opening on strippers, from 28 mm mark remove subunit jacketing.
6. Place LC connector onto VFL using LC type adapter. Ensure activator slide tab is in “open” position (slide towards rear of connector). Open connector hinge.

Additional Required Items

- Small flat head jeweler-sized screwdriver
- Cleerline SSF™ Fiber Termination Kit

2 Strand Tactical Breakout (Choose OM3 or OS2 according to installation)
- 2TB50125M3PU Multimode OM3 OR
- 2TB9125OS2PU Single Mode OS2

SSF™ LC Connectors (Choose according to required fiber type and installation requirements)
- SSF-LC-MMPC-10 Multimode OR
- SSF-LC-SMUPC-10 Single Mode UPC OR
- SSF-LC-SMAPC-10 Single Mode APC

Additional Required Materials

- SSF-TOC-MDLC Male Duplex Connector Housing

1 SSF™ Fiber does not require the use of alcohol cleaning. Remove the soft peel coating completely from all sides of the fiber with fingers only. Do not use strippers.
2 Due to the extreme durability of SSF™ fiber your cleaver may require a wheel height adjustment procedure to allow successful cleaving. For more information visit cleerlinefiber.com
Termination With:
SSFTM 2 Strand Tactical Breakout Fiber Optic Cable

1. Pull Kevlar yarns back to locate SSFTM fiber. Using only fingertips/nails, remove Soft Peel 250 µm coating to within 12mm/0.5in of cable jacket.1

2. Cleave fiber measuring from subunit jacket. For SSFTM LC = 24 mm.2

3. Insert fiber into rear of connector until slight ‘bow’ is created. Light emitting from connector window will dim and/or extinguish.

4. Terminate second subunit. Place both connectors in #4 Connector Clasp, tapered ends forward. Snap top half of clasp in place.

5. From the thread end of the metal #3 Connector Housing, insert the assembled connectors in the #4 Connector Clasp into the Housing as shown.

6. Place #5 Clasp Retaining Ring at rear of #3 Connector Housing. Starting at one end, with tip of jeweler-sized flat head screwdriver, seat retaining ring into place.

7. Depress release tab on top of #2 Outer Housing Cover. Slide metal #3 Connector Housing into Outer Housing.

8. Slide boot forward. Thread boot one full turn to lock in Kevlar strands. Cut Kevlar close to boot. Tighten boot until secure.

9. Insert fiber into rear of connector until slight ‘bow’ is created. Light emitting from connector window will dim and/or extinguish.

10. Slide activator tab towards connector tip. Remove VFL. Ensure fiber is straight, hold Kevlar to one side. Seat 2.0 mm tube at rear of connector and close hinge.

11. Place the 2ea #7 Cable Split Grommet halves into the rear of the #6 Inner Housing. Rotate/tighten inner housing until secure.

12. Slide #6 Inner Housing forward, meeting with metal #3 Connector Housing inside of #2 Outer Housing. Rotate/tighten inner housing until secure.

13. Place #8 Compression Nut forward and tighten until secure on rear of #6 Inner Housing.