

READ ALL INSTRUCTIONS COMPLETELY BEFORE PROCEEDING COMPONENT IDENTIFICATION

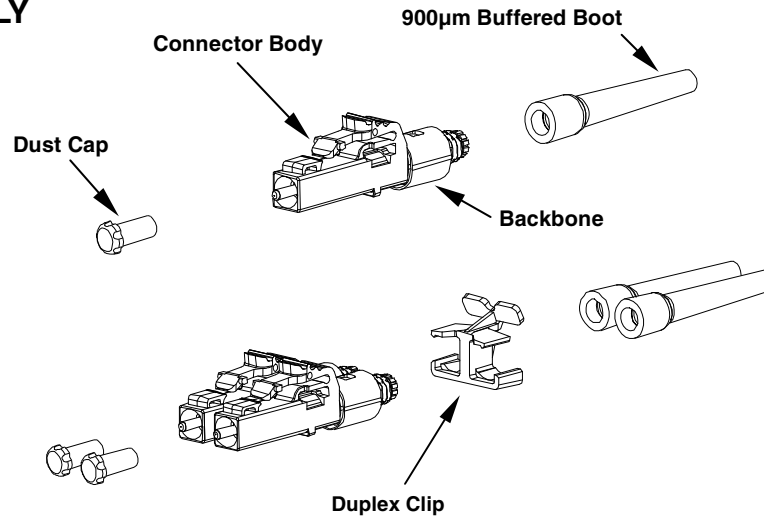
CONNECTOR ASSEMBLY

SIMPLEX →

FLCSMCXAQY
FLCSMC5BLY
FLCSMC6BLY
FLCSSCBUY

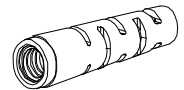
DUPLEX →

FLCDMCXAQY
FLCDMC5BLY
FLCDMC6BLY
FLCDSCBUY



Jacketed Boots
Available Separately

3.0mm Boot
FMCBT3AQ-X
FMCBT3BL-X
FSCBT3BU-X



1.6 - 2.0mm Boot
FMCBT2AQ-X
FMCBT2BL-X
FSCBT2BU-X

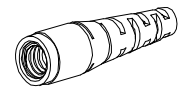


Table 1

Standard LC OptiCam Connectors*		
Fiber Type	Backbone Color	Boot Color
10Gig 50µm	Aqua	Aqua
50µm	Black	Black
62.5µm	Electric Ivory	Black
Singlemode	Blue	Blue

*Part numbers shown above

Table 2

Keyed LC OptiCam Simplex Connector Part Numbers [‡] and Configurations						
Key Type - Backbone Color	A - Black	B - Red	C - Green	D - Yellow	E - Orange	F - Dark Blue
Multimode Part Numbers	FLCSMC^ABL	FLCSMC^BRD	FLCSMC^CGR	FLCSMC^DYL	FLCSMC^EOR	FLCSMC^FDB
Singlemode Part Numbers	FLCSCCABL	FLCSCCBRD	FLCSCCCGR	FLCSCCDYL	FLCSCCEOR	FLCSCCFDB
Key Type - Backbone Color	G - Violet	H - Aqua	J - Rose	K - Slate	L - Brown	P - White
Multimode Part Numbers	FLCSMC^GVL	FLCSMC^HAQ	FLCSMC^JRO	FLCSMC^KIG	FLCSMC^LLB	FLCSMC^PWT
Singlemode Part Numbers	FLCSCCGVL	FLCSCCHAQ	FLCSCCJRO	FLCSCCKIG	FLCSCCLLB	FLCSCCPWT
Key Type - Backbone Color	Q - Charcoal	R - Lavender	S - Peach	T - Steel Blue	V - Maroon	W - Mint
Multimode Part Numbers	FLCSMC^QCG	FLCSMC^RLV	FLCSMC^SPE	FLCSMC^TSB	FLCSMC^VMA	FLCSMC^WMI
Singlemode Part Numbers	FLCSCCQCG	FLCSCCRLV	FLCSCCSPE	FLCSCCTSB	FLCSCCVMA	FLCSCCWMI

[‡]For duplex connectors, replace the first S in the part number (FLCSCCABL) with a D (FLCDSCABL).

[^]Substitute for multimode fiber type: 6 = 62.5/125µm OM1, 5 = 50/125µm OM2, or X = 10Gig 50/125µm OM3.

ITEMS REQUIRED FOR TERMINATION

ITEM	PART NUMBER	DESCRIPTION
1	OCTT	OptiCam Termination Tool
2	FLCC	LC Cradle for OptiCam Termination Tool (OCTT)
3	FVFLPC-1.25SMY	1.25mm Universal Patch Cord for OptiCam Termination Tool (OCTT)
4	CST-115	Fiber Cable Jacket Stripper
5	FALC	Alcohol Bottle (empty)
6	FBFSP	Fiber Buffer Stripper
7	FJQCVR	Fiber Cleaver Tool
8	FGLS	Safety Glasses
9	FKS	Fiber Kevlar Shears
10	FSTY	Fiber Safety Tab Stickers for fiber scraps
11	FSWB-C	Cleaning Swabs
12	FWP-C	Lint-Free Wipes
13	PFX-0	Fine-Tip Marking Pen
14	--	Isopropyl Alcohol (Reagent Grade, 90% minimum concentration; not available from Panduit)
OPTIONAL	PN400**	LC OptiCam Connector Stripping Template
OPTIONAL	FJQCVRB	Replacement Blade for Fiber Cleaver

**Denotes revision letter.

For Technical Support: www.panduit.com/resources/install_maintain.asp

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SAFETY PRECAUTIONS

1. SAFETY GLASSES

WARNING: IT IS STRONGLY RECOMMENDED THAT SAFETY GLASSES BE WORN WHEN HANDLING BARE OPTICAL FIBER. THE BARE FIBER IS VERY SHARP AND CAN EASILY DAMAGE THE EYE.

2. ISOPROPYL ALCOHOL

WARNING: ISOPROPYL ALCOHOL IS FLAMMABLE. CONTACT WITH THE ALCOHOL CAN CAUSE IRRITATION TO THE EYES. IN CASE OF CONTACT WITH THE EYES, FLUSH WITH WATER FOR AT LEAST 15 MINUTES. ALWAYS USE ISOPROPYL ALCOHOL WITH PROPER LEVELS OF VENTILATION. IN CASE OF INGESTION, CONSULT A PHYSICIAN IMMEDIATELY.

3. DISPOSAL OF BARE FIBERS

WARNING: PICK UP AND DISCARD ALL PIECES OF BARE FIBER WITH STICKY TABS. DO NOT LET CUT PIECES OF FIBER STICK TO CLOTHING OR DROP IN THE WORK AREA WHERE THEY ARE HARD TO SEE AND CAN CAUSE INJURY.

4. LASER LIGHT PROTECTION

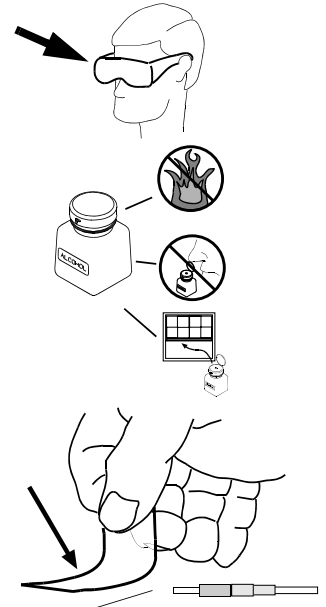
USE OF CONTROLS OR PERFORMANCE OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. THE POWER OF EMISSION OF THE LASER BEAM EXCEEDS 1MW IN CLASS II AND IS LESS THAN 5MW IN CLASS IIIa/3R, SO THE FOLLOWING WARNINGS MUST BE FOLLOWED TO AVOID INJURY:

- NEVER POINT THE LASER INTO THE EYES OF OTHERS.
- DO NOT STARE DIRECTLY AT THE LASER BEAM.
- DO NOT SET UP TOOL TO WORK AT EYE LEVEL OR OPERATE THE TOOL ON A REFLECTIVE SURFACE AS THE LASER COULD BE PROJECTED INTO YOUR EYES OR THE EYES OF OTHERS.

ALWAYS TURN THE LASER OFF WHEN IT IS NOT IN USE OR IS LEFT UNATTENDED FOR A PERIOD OF TIME. REMOVE THE BATTERIES WHEN STORING FOR AN EXTENDED PERIOD OF TIME TO AVOID DAMAGE TO THE TOOL SHOULD THE BATTERIES DETERIORATE. NEVER LOOK INTO THE PATH OF THE VISUAL FAULT LOCATOR OR ANY OTHER LASER BEAM. NEVER LOOK INTO THE END OF A FIBER WHICH MAY HAVE ANY VISUAL FAULT LOCATOR, OR ANY OTHER LASER, COUPLED TO IT. NEVER LAUNCH ANY VISUAL FAULT LOCATOR INTO ACTIVE EQUIPMENT OR MICROSCOPE. MAKE SURE THAT THE END OPPOSITE THE VISUAL FAULT LOCATOR IS NOT CONNECTED TO ANY ELECTRONICS OR ACTIVE EQUIPMENT DURING TERMINATION.

5. CABLE HANDLING

WARNING: FIBER OPTIC CABLE CAN BE DAMAGED BY EXCESSIVE PULLING, TWISTING, CRUSHING OR BENDING STRESSES. CONSULT THE APPROPRIATE SPECIFICATION SHEETS AS PROVIDED BY YOUR CABLE VENDOR. ANY DAMAGE MAY DECREASE OPTICAL PERFORMANCE.



OptiCam Termination Tool Patch Cord Maintenance

Clean both ends of the FVFLPC-1.25SMY after 50 matings or sooner if performance diminishes.

1. Clean ST connector ferrule endface with a lint-free wipe (FWP-C) soaked with alcohol (reagent grade isopropyl alcohol, with a minimum 90% concentration).
2. Clean ferrule adapter end by unscrewing housing and removing split sleeve. Clean the ferrule endface with an alcohol soaked lint-free wipe. Refer to Visual Inspection and Cleaning of Fiber Optic Components Best Practices document PN446* at www.panduit.com. Make sure that the split sleeve is clean. Replace the split sleeve onto ferrule and screw housing into place securely.

NOTE: Replace the split sleeves if the FVFLPC-1.25SMY continues to have diminished performance after three cleanings. Additional split sleeves for the FVFLPC-1.25SMY are located in the FVFLPC-1.25SMY package.

* Denotes revision letter.

For Technical Support: www.panduit.com/resources/install_maintain.asp

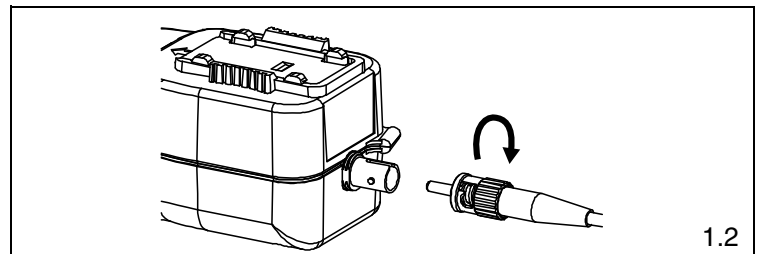
250µm Coated Fiber Termination with Build-up Tube

To Ensure Best Termination:

- If installing more than a few connectors, or if installing OptiCam connectors for the first time or a long time, terminate several connectors and test immediately after to ensure proper technique is being applied. Testing after a few connectors allows verification that the tools are in good working condition and helps to gauge the working conditions of the environment and calibrate glow level thresholds.
- Make sure the OCTT batteries are new and fresh. If the light in the connector appears to be less bright prior to camming, consider replacing the batteries.
- Make sure the VFL patch cord is in good condition, the split sleeve is in good condition, and the ferrule endface is clean and not scratched.
- Connector glow, or lack of glow, is an indicator, not a verification of termination success. Power meters should always be used for certification testing. VFLs and/or OTDRs can be used for troubleshooting. If an OTDR needs to be used to test, launch and receive cords need to be utilized at the end of the link and an average for each connector after a bi-directional test needs to be calculated to ensure proper insertion loss for each connector.

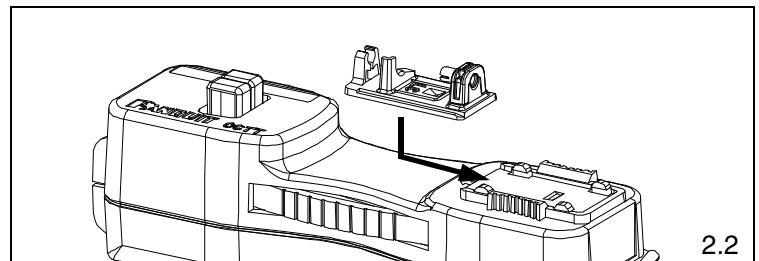
1. Attach Patch Cord to OCTT

- 1.1 Make sure laser switch is in the "O" (OFF) position.
- 1.2 Remove protective dust cover from laser. Insert ST end of FVFLPC-1.25SMY patch cord into laser aperture making sure to align tabs. Rotate barrel of ST connector clockwise to lock in place.



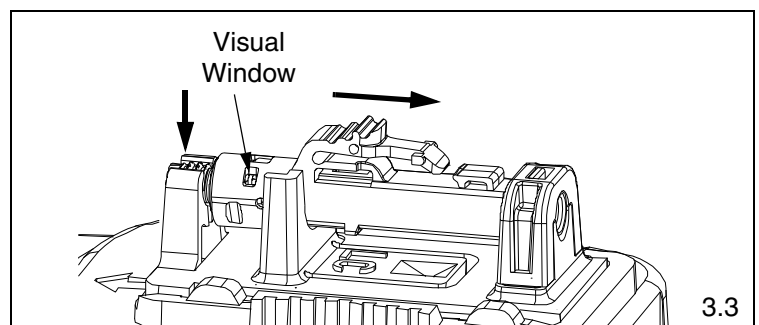
2. Insert Connector Cradle

- 2.1 Align LC Cradle with OCTT cradle holder and slide cradle under tabs of cradle holder until it stops.
- 2.2 Grip cradle holder by grip pads and slide cradle holder to the pre-termination position (towards the laser aperture).



3. Insert Connector into Cradle

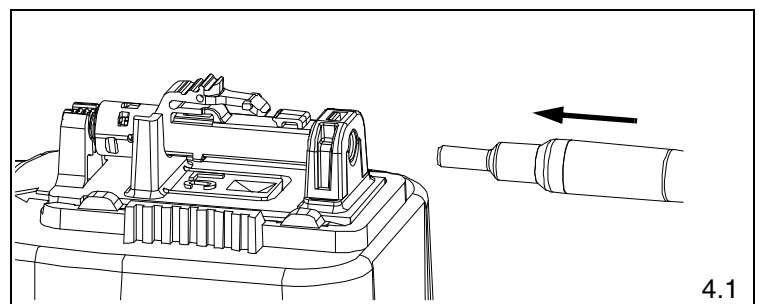
- 3.1 Remove both dust caps from the connector body.
- 3.2 If green is visible in the visual window on the backbone then the connector must be un-cammed before use (refer to Step 18 to un-cam the connector).
- 3.3 Hold the connector body with the latch facing up and slide the connector body into the LC Cradle. The connector is inserted fully when the backbone threads snap completely in the cradle flange as shown.



4. Attach Patch Cord to Connector Ferrule

Note: During insertion, the ferrule adapter end must be in-line with the connector ferrule, NOT at an angle.

- 4.1 While holding the connector still, gently slide the ferrule adapter end into the front opening of the cradle and over the connector ferrule until it stops. To maximize VFL patch cord life, avoid side-loading the ferrule adapter end during insertion and testing.

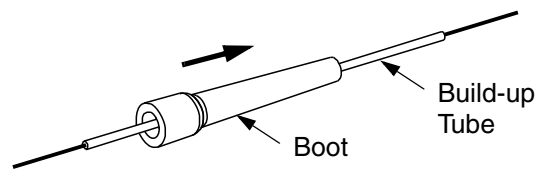


5. Strip 250µm Coated Fiber

- 5.1 Insert the fiber end through the small end of the 250µm boot. Slide the boot back out of the way.
- 5.2 Place one build-up tube (F250BT) onto the fiber and slide it back out of the way.
- 5.3 Place an insertion mark on the build-up tube 15mm from the end of the tube closest to the end of the fiber.
- 5.4 Use buffer stripper to strip at least 1.18" (30mm) of coating.
- 5.5 Place an insertion mark on the coated fiber 2" (51mm) from the end of the stripped coating.

250µm Coating Stripping Guidelines

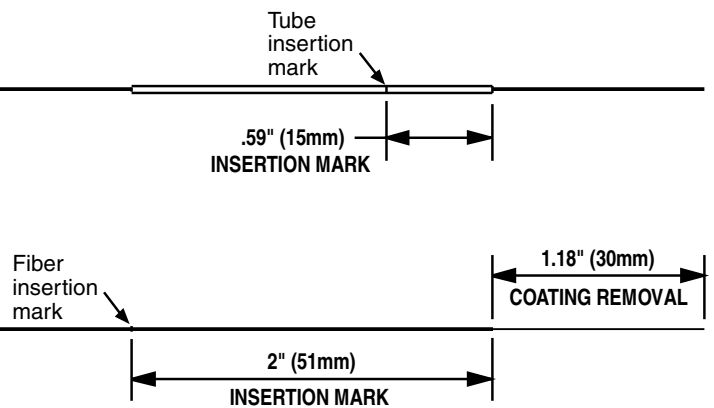
- Refer to cable manufacturer's buffer stripping guidelines for specific recommendations.
- Hold the buffer stripper such that the arrow on the tool points in the direction of buffer removal.
- Position fiber in the tool's V-notches. Squeeze the handles firmly and pull tool in the direction of the arrow on the tool.
- Clean the buffer stripper blades after each strip by holding the handles open then pulling the casings back and letting them snap back against the blades.



5.2

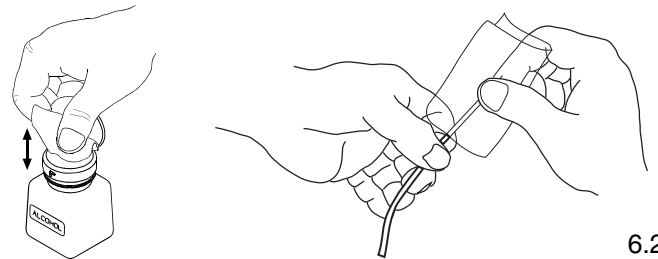
250µm COATED FIBER STRIPPING DIMENSIONS

IMPORTANT! Due to printing variations, use a rigid scale for stripping dimensions, or the appropriate Panduit laminated template.

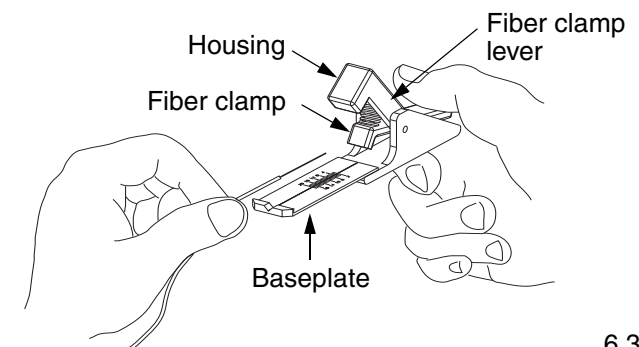


6. Cleave 250µm Coated Fiber

- 6.1 Remove and dispose of any remaining fiber scraps in the cleaving tool.
- 6.2 Clean bare fiber using an isopropyl alcohol (90% minimum concentration) soaked lint-free wipe. The fiber should be free of all coating and residue. To prevent contamination, do not set fiber down or allow it to touch anything after cleaning.
- 6.3 Depress the fiber clamp lever and insert the end of the fiber under the fiber clamp and in the V-groove. Hold the cleaving tool in your hand and depress the fiber clamp lever to raise the fiber clamp. Insert the end of the fiber into the V-groove and under the fiber clamp. Release the fiber clamp lever when the end of the buffer is located at the 7mm mark ($\pm 0.5\text{mm}$).
- 6.4 **This is a critical step for successful termination.** Gently hold the buffered fiber against the groove in the base plate using thumb and forefinger of your free hand. With your other thumb, **gently** push down on the housing until the ceramic blade contacts the fiber and the end of the housing contacts the rubber coating on the base plate. **DO NOT** cut the fiber with the ceramic blade. Release the housing so that the blade is no longer contacting the fiber.

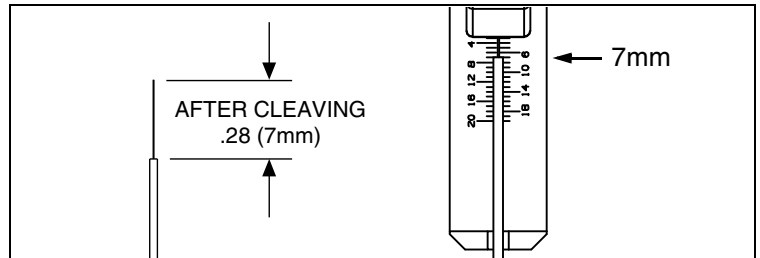
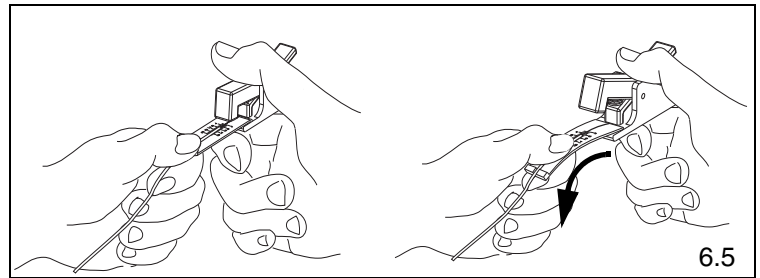


6.2



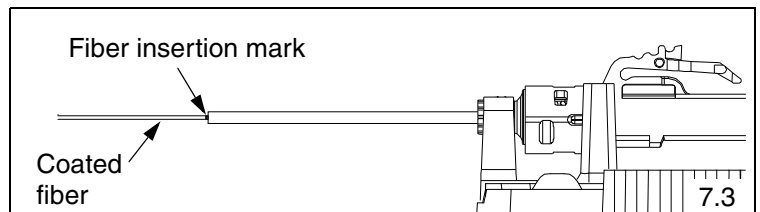
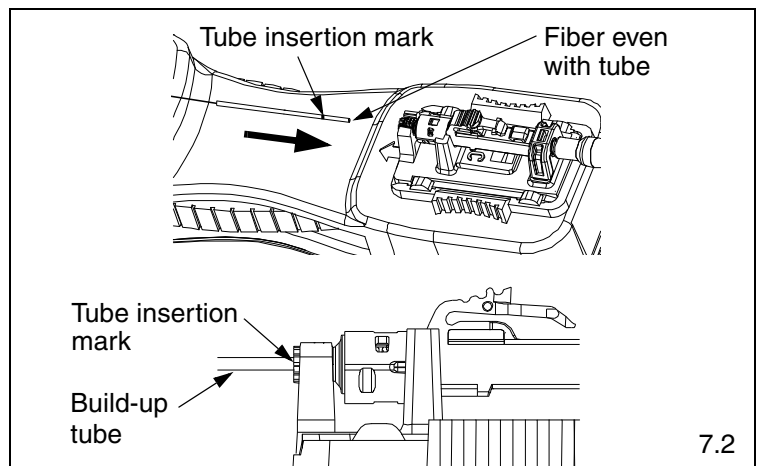
6.3

- 6.5 Hold the tool in one hand while still holding the fiber against the base plate. Bend the base plate down until the fiber breaks. To prevent contamination, do not set fiber down or allow it to touch anything after cleaving. If fiber does not cleave, go back and re-strip the fiber.
- IMPORTANT:** Do not clean fiber after cleaving. Replace the ceramic blade in the cleaving tool after every 1000 cleaves, or if installation yield decreases. Replacement blade (FJQCVRB) is available.



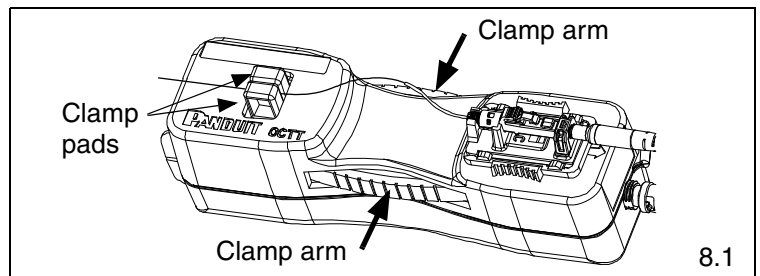
7. Insert Fiber

- 7.1 Slide up the build-up tube so the end is even with the cleaved fiber end.
- 7.2 Hold the fiber and build-up tube together behind the build-up tube opposite the cleave end and insert them into the back of the connector until the build-up tube bottoms out within the connector. The tube insertion mark should be hidden within the back of the connector.
- 7.3 Slide just the fiber forward using constant light pressure until it bottoms out within connector on fiber stub. The fiber insertion mark should be near back end of build-up tube.



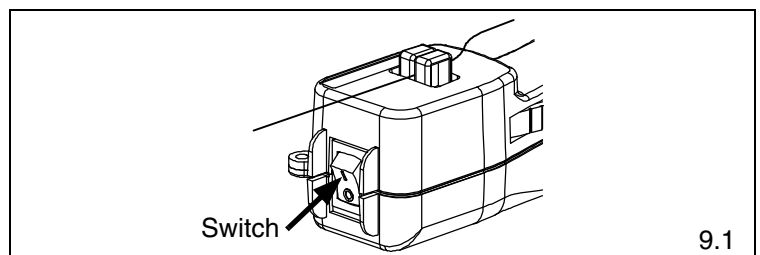
8. Clamp Cable

- 8.1 Clamp fiber in OCTT clamps. Create a bow in the fiber. DO NOT shuttle the cradle forward.
- 8.2 **This is a critical step for successful termination.** Hold the fiber behind the build-up tube and push forward to ensure the fiber endfaces are in contact.



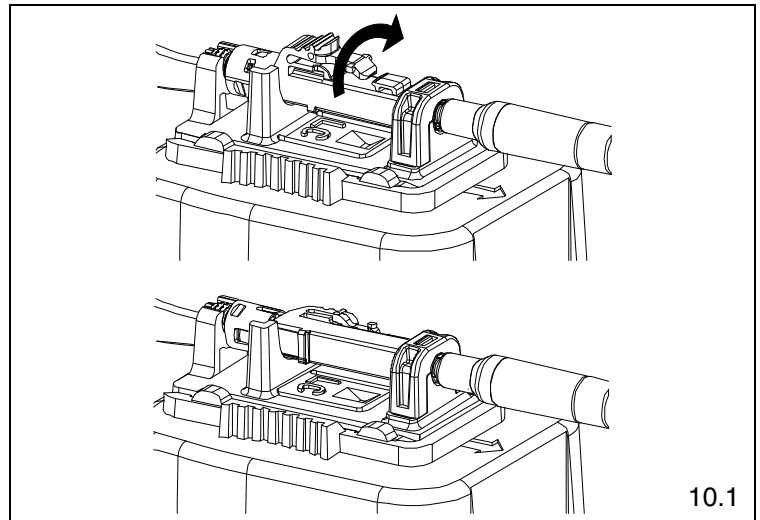
9. Turn on Laser

- 9.1 On the end of the OCTT tool, toggle the switch to the "I" (ON) position. If the fiber is in the correct position after this step, a connector typically will either be dark or glow very dimly.



10. Cam the Connector

- 10.1 Rotate the connector body 90° counter-clockwise around the center axis until it stops on the cradle (when looking from rear of connector). Ensure the connector body remains seated in the cradle during camming.
- 10.2 Make sure the VFL cord is in contact with the connector after camming.
- 10.3 Note that the glow in the connector should be dark (for both multimode and singlemode connectors). If terminating in a well lit area, the glow should be dark when your hands are cupped over the connector. Do not use the glow in the front or back of the LC connector to judge the termination. Use the glow in the middle of the connector under the latch.
- 10.4 If connector glow is not very dim, turn off laser and uncam the connector (per step 18). Pull the fiber back slightly and gently urge it forward until it stops on the stub fiber. (Re-check to make sure the insertion mark is near the back of the connector).
- 10.5 Turn the laser on and re-cam the connector. It should dim or remain dark. If not, turn off the laser and repeat the process starting at step 5.
- 10.6 The small visual window on the backbone will be green to indicate the connector is in the cam position.



10.1

11. Turn Off Laser

- 11.1 Toggle the OCTT switch to the "O" (OFF) position. While holding the connector in place, remove ferrule adapter end of patch cord from connector.

12. Place Dust Cover on the Patch Cord (Optional)

13. Unclamp Cable

- 13.1 Squeeze both clamp arms to open the clamp pads. Remove cable from between the clamp pads and release clamp arms. **CAUTION:** DO NOT pull on cable while the connector is still held in place by the cradle. Doing so could break the fiber or create an unacceptable termination.

14. Remove Connector from Cradle

- 14.1 Remove the connector from the cradle by lifting the back of the connector up while sliding it out of the cradle. **CAUTION:** Do not pull on cable.

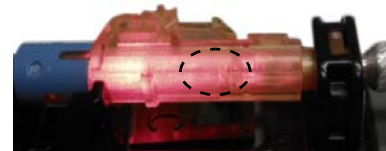
15. Remove Fiber from Cleaver Tool

Depress the fiber clamp lever then remove and properly dispose of the fiber scrap.

16. Assemble Connector and Boot

- 16.1 Push the boot forward onto the grooved area of the backbone until it is against the flange.
- 16.2 Clean the ferrule end face with an alcohol soaked wipe, and then a dry wipe. Refer to Visual Inspection and Cleaning of Fiber Optic Components Best Practices document PN446* at www.panduit.com. Place dust cap over the ferrule end.

Indicates
improper
termination

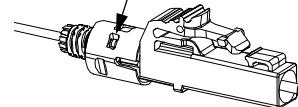


Indicates
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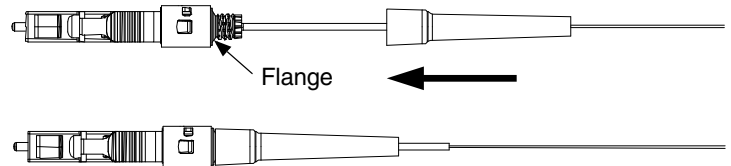
10.3

Visual Window



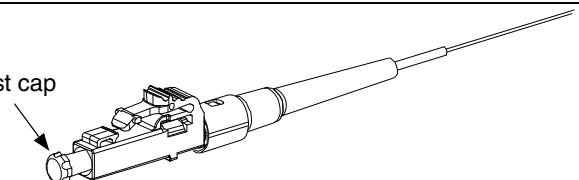
10.6

Flange



16.1

Dust cap



16.2

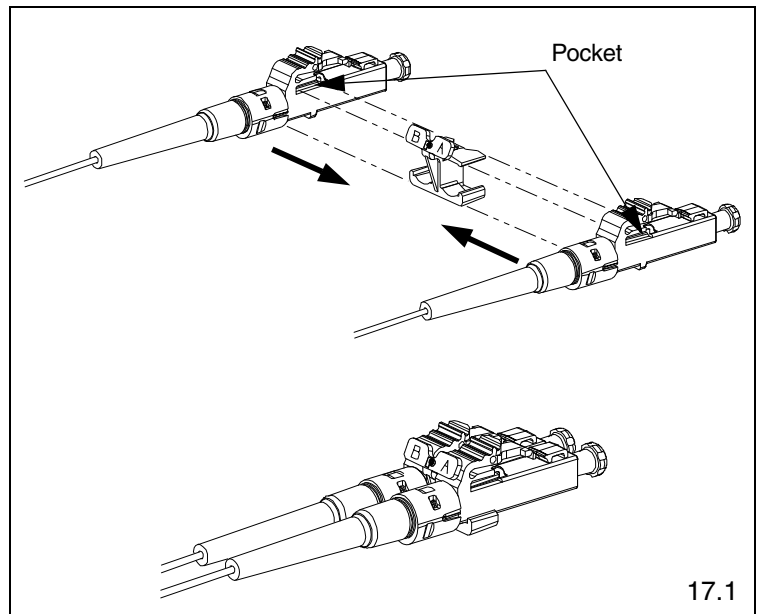
*Denotes revision letter.

17. Attach Duplex Clip (Optional)

17.1 With a connector held as shown (latch on top, ferrule facing away), insert the connector into one side of the duplex clip as shown (clip held with the “A->B” polarity marking upright and facing forward). The upper tab of the clip should slide into the pocket underneath the latch of the connector, and the lower tab should slide under the connector housing and “snap”, locking it into place.

17.2 Repeat this procedure for the other connector, completing the duplexing step.

Note: When making cable assemblies, be sure to follow the correct “A->B” polarity cross-over between connectors.



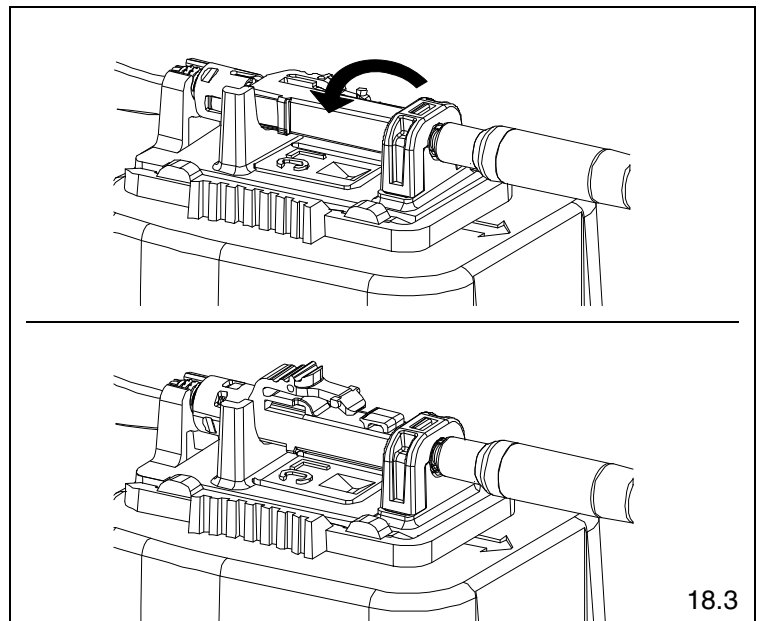
18. Re-Termination

18.1 The connector can be re-terminated if needed. Slide the boot off the backbone and remove the dust cap.

18.2 Hold the connector body with the latch facing to the side and slide the connector body into the LC Cradle. The connector is inserted fully when the backbone threads snap completely in the cradle flange as shown.

18.3 Rotate the connector body 90° clockwise until it stops (when looking from rear of connector) to un-cam the connector. The visual window should not be green.

18.4 Remove the fiber and repeat from step 1.



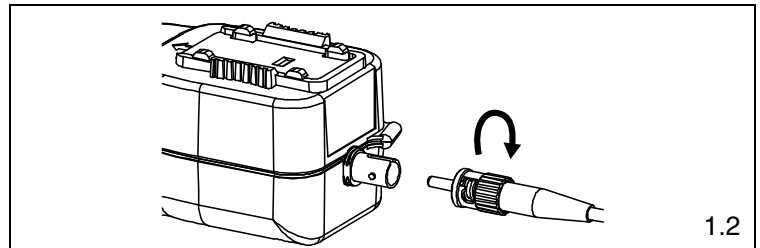
250µm Coated Fiber Termination using Opticom Fanout Kit

To Ensure Best Termination:

- If installing more than a few connectors, or if installing OptiCam connectors for the first time or a long time, terminate several connectors and test immediately after to ensure proper technique is being applied. Testing after a few connectors allows verification that the tools are in good working condition and helps to gauge the working conditions of the environment and calibrate glow level thresholds.
- Make sure the OCTT batteries are new and fresh. If the light in the connector appears to be less bright prior to camming, consider replacing the batteries.
- Make sure the VFL patch cord is in good condition, the split sleeve is in good condition, and the ferrule endface is clean and not scratched.
- Connector glow, or lack of glow, is an indicator, not a verification of termination success. Power meters should always be used for certification testing. VFLs and/or OTDRs can be used for troubleshooting. If an OTDR needs to be used to test, launch and receive cords need to be utilized at the end of the link and an average for each connector after a bi-directional test needs to be calculated to ensure proper insertion loss for each connector.

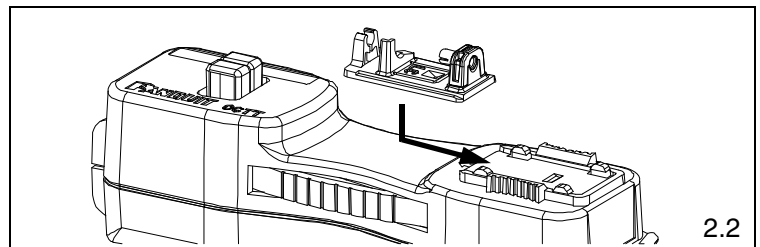
1. Attach Patch Cord to OCTT

- 1.1 Make sure laser switch is in the "O" (OFF) position.
- 1.2 Remove protective dust cover from laser. Insert ST end of FVFLPC-1.25SMY patch cord into laser aperture making sure to align tabs. Rotate barrel of ST connector clockwise to lock in place.



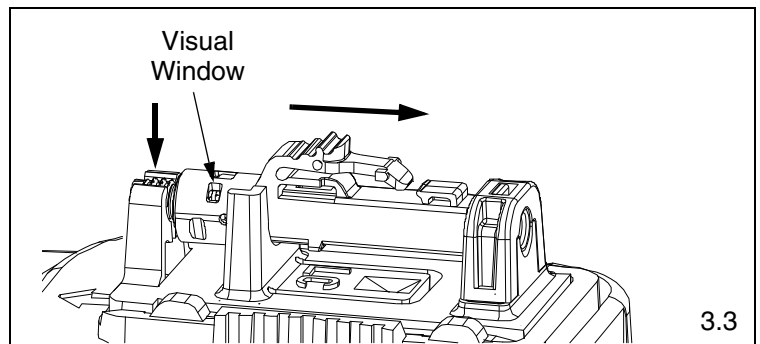
2. Insert Connector Cradle

- 2.1 Align LC Cradle with OCTT cradle holder and slide cradle under tabs of cradle holder until it stops.
- 2.2 Grip cradle holder by grip pads and slide cradle holder to the pre-termination position (towards the laser aperture).



3. Insert Connector into Cradle

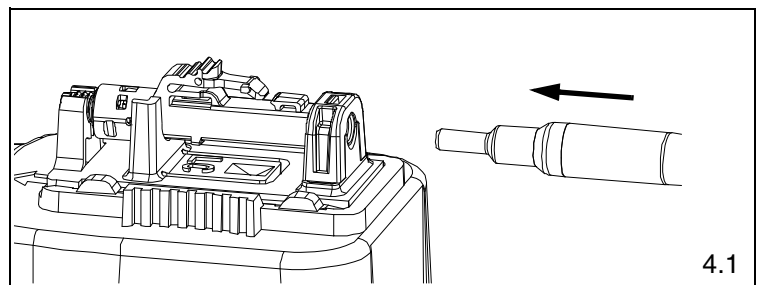
- 3.1 Remove both dust caps from the connector body.
- 3.2 If green is visible in the visual window on the backbone then the connector must be un-cammed before use (refer to Step 20 to un-cam the connector).
- 3.3 Hold the connector body with the latch facing up and slide the connector body into the LC Cradle. The connector is inserted fully when the backbone threads snap completely in the cradle flange as shown.



4. Attach Patch Cord to Connector Ferrule

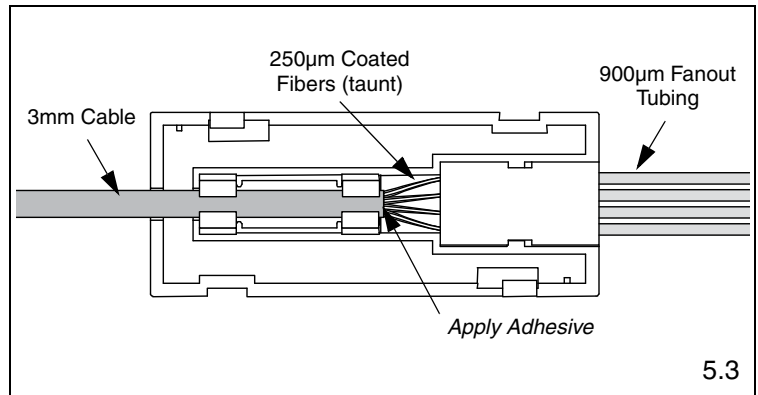
Note: During insertion, the ferrule adapter end must be in-line with the connector ferrule, NOT at an angle.

- 4.1 While holding the connector still, gently slide the ferrule adapter end into the front opening of the cradle and over the connector ferrule until it stops. To maximize VFL patch cord life, avoid side-loading the ferrule adapter end during insertion and testing.

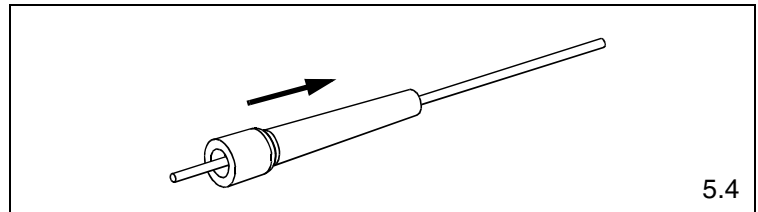


5. Install Fanout Kit and Strip Fiber

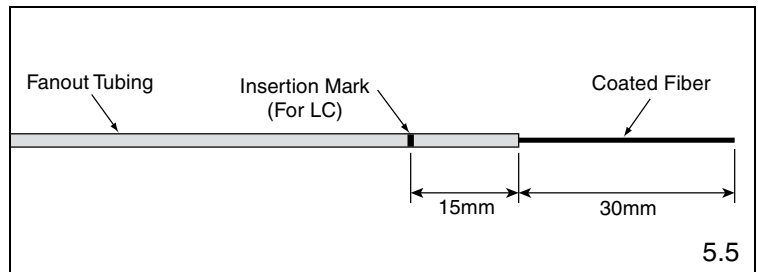
- 5.1 Install the Fanout Kit (FO6CB, FO12CB) according to the installation instructions PN166*.
- 5.2 Feed the 250µm coated fibers through the 900µm fanout tubing until at least 30mm of fiber protrudes from the end of the tubing. Trim the coated fibers to length at 30mm.
- 5.3 To reduce the amount of fiber movement, place a drop of adhesive (Loctite 401 or equivalent Cyanoacrylate adhesive) at the point that the coated fibers exit the 3mm cable jacket. 250µm coated fibers need to be taunt between cable jacket and the fanout tube assembly.



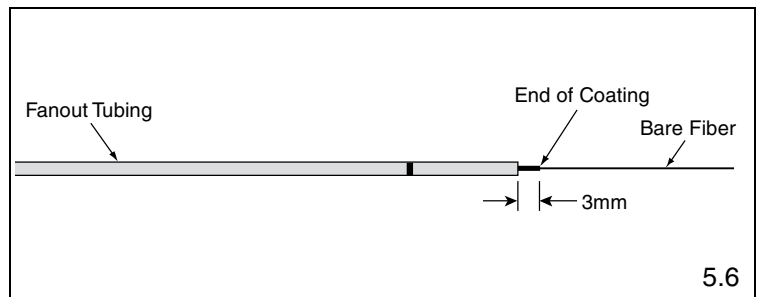
- 5.4 Place the 900µm boots onto the fanout tubing and slide them back out of the way.



- 5.5 Place an insertion mark on the fanout tubing, 15mm back from the end of the tubing.



- 5.6 Place a coating removal mark on the coated fiber 3mm from the end of the fanout tubing. Strip the coating up to the coating removal mark. Note: The 3mm of coating extending from the end of the tubing is intended to compensate for fiber movement within the fanout tubing during termination.



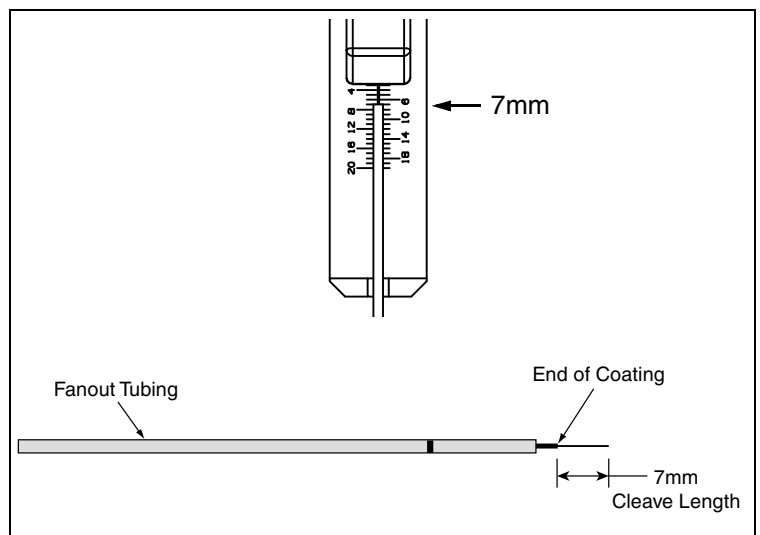
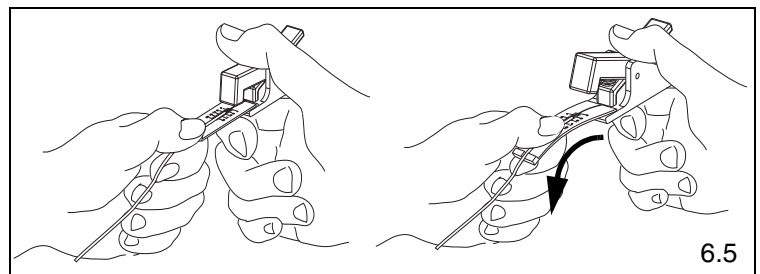
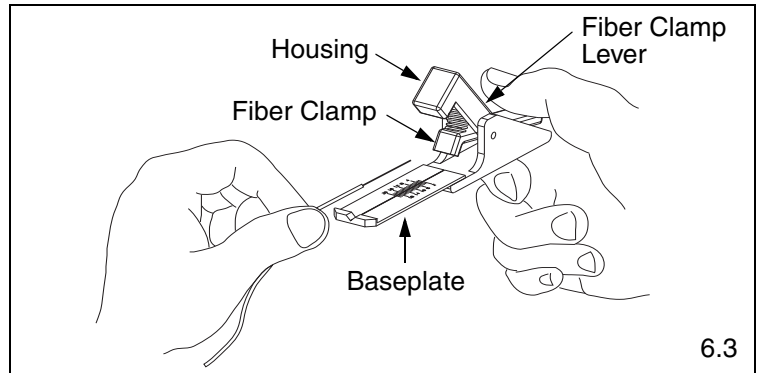
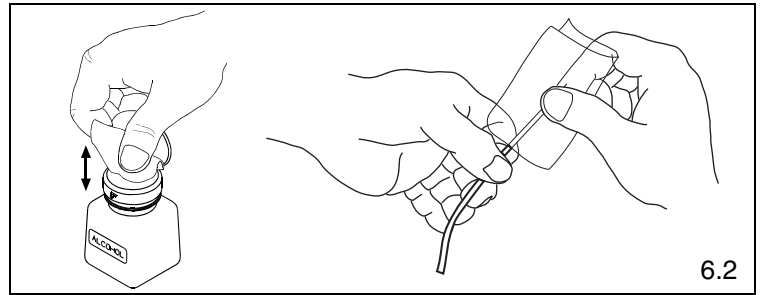
Buffer Stripping Guidelines

- Remove no more than 1/4" (6mm) of buffer at a time to avoid breaking the fiber. Refer to cable manufacturer's buffer stripping guidelines for specific recommendations.
- Hold the buffer stripper such that the arrow on the tool points in the direction of buffer removal.
- Position fiber in the tool's V-notches. Squeeze the handles firmly and pull tool in the direction of the arrow on the tool.
- Clean the buffer stripper blades after each strip by holding the handles open then pulling the casings back and letting them snap back against the blades.

* Denotes revision letter.

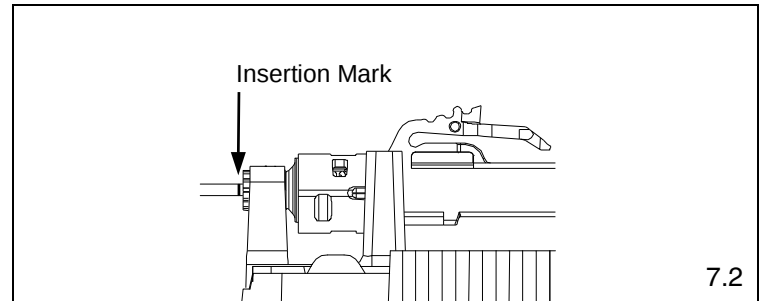
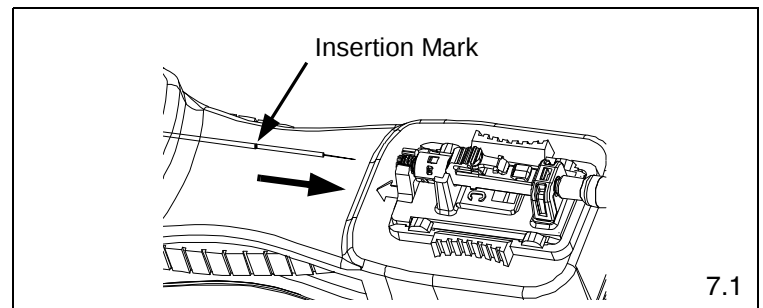
6. Cleave 250µm Coated Fiber in Fanout Kit

- 6.1 Remove and dispose of any remaining fiber scraps in the cleaving tool.
- 6.2 Clean bare fiber using an isopropyl alcohol (90% minimum concentration) soaked lint-free wipe. The fiber should be free of all coating and residue. To prevent contamination, do not set fiber down or allow it to touch anything after cleaning.
- 6.3 Depress the fiber clamp lever and insert the end of the fiber under the fiber clamp and in the V-groove. Hold the cleaving tool in your hand and depress the fiber clamp lever to raise the fiber clamp. Insert the end of the fiber into the V-groove and under the fiber clamp. Release the fiber clamp lever when the end of the buffer is located at the 7mm mark ($\pm 0.5\text{mm}$).
- 6.4 **This is a critical step for successful termination.** Gently hold the buffered fiber against the groove in the base plate using thumb and forefinger of your free hand. With your other thumb, **gently** push down on the housing until the ceramic blade contacts the fiber and the end of the housing contacts the rubber coating on the base plate. **DO NOT** cut the fiber with the ceramic blade. Release the housing so that the blade is no longer contacting the fiber.
- 6.5 Hold the tool in one hand while still holding the fiber against the base plate. Bend the base plate down until the fiber breaks. To prevent contamination, do not set fiber down or allow it to touch anything after cleaving.
- IMPORTANT:** Do not clean fiber after cleaving. Replace the ceramic blade in the cleaving tool after every 1000 cleaves, or if installation yield decreases. Replacement blade (FJQCVRB) is available.



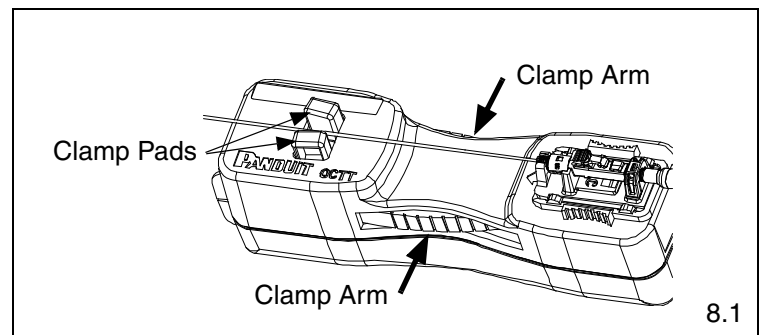
7. Insert Fiber

- 7.1 Insert fiber into the connector body using constant light pressure until it stops on the fiber stub. Excessive force during insertion may break the fiber. The fiber should be guided in straight, not at an angle. If resistance is felt before the fiber insertion mark is in close proximity to the back of the connector then retract the fiber a small amount and continue inserting.
- 7.2 If the fiber insertion mark is not in close proximity to the back of the connector then withdraw the fiber completely out of the connector. Inspect fiber cleave length. If the fiber cleave length is less than 7mm then discard the connector and return to step 5. If the fiber cleave length is 7mm then slightly rotate the fiber before repeating this step.



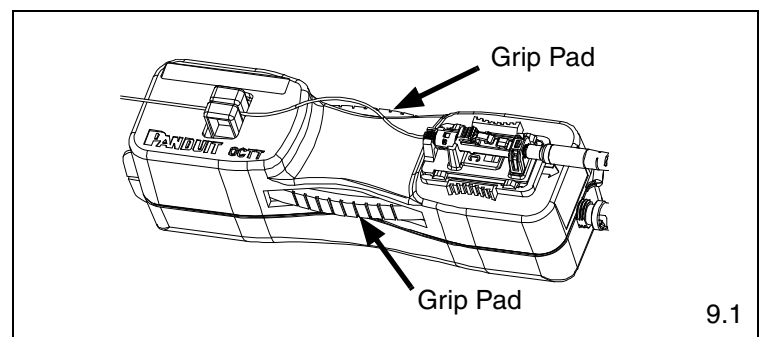
8. Clamp Cable

- 8.1 Squeeze both clamp arms to open clamp pads. Place cable between the clamp pads and release clamp arms. The fiber should be straight and the insertion mark should still be in close proximity to the back of the connector.



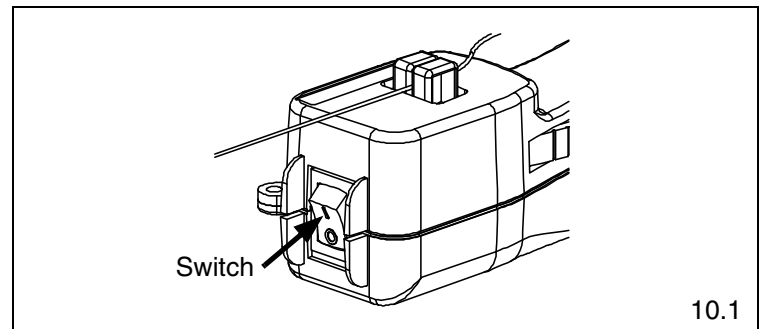
9. Shuttle Cradle Holder

- 9.1 Grip cradle holder by grip pads and slide cradle holder towards the cable until it stops. This will create a bow in the fiber.



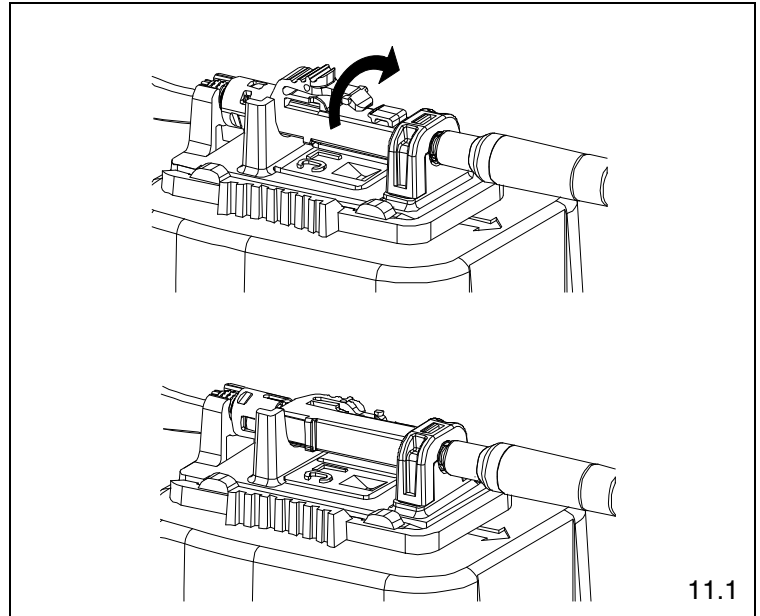
10. Turn On Laser

- 10.1 On the end of the OCTT tool, toggle the switch to the "I" (ON) position. If the fiber is in the correct position after this step, a multimode connector typically will either be dark or glow very dimly; a singlemode connector will typically glow moderately.



11. Cam the Connector

- 11.1 Rotate the connector body 90° counter-clockwise around the center axis until it stops on the cradle (when looking from rear of connector). Ensure the connector body remains seated in the cradle during camming.
- 11.2 Make sure the VFL cord is in contact with the connector after camming.
- 11.3 Note that the glow in the connector should be dark (for both multimode and singlemode connectors). If terminating in a well lit area, the glow should be dark when your hands are cupped over the connector. Do not use the glow in the front or back of the LC connector to judge the termination. Use the glow in the middle of the connector under the latch.
- 11.4 If connector glow is not very dim, turn off laser and uncam the connector (per step 20). Pull the fiber back slightly and gently urge it forward until it stops on the stub fiber. (Re-check to make sure the insertion mark is near the back of the connector).
- 11.5 Turn the laser on and re-cam the connector. It should dim or remain dark. If not, turn off the laser and repeat the process starting at step 5.
- 11.6 The small visual window on the backbone will be green to indicate the connector is in the cam position.



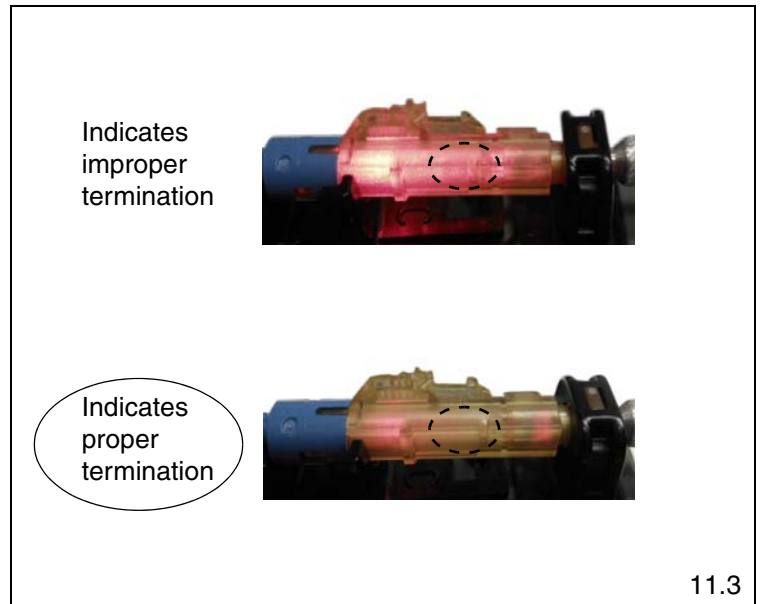
12. Turn Off Laser

- 12.1 Toggle the OCTT switch to the “O” (OFF) position. While holding connector in place, remove ferrule adapter end of patch cord from connector.

13. Place the Dust Cover on the Patch Cord (Optional)

14. Unclamp Cable

- 14.1 Squeeze both clamp arms to open the clamp pads. Remove cable from between the clamp pads and release clamp arms.
CAUTION: DO NOT pull on cable while the connector is still held in place by the cradle. Doing so could break the fiber or create an unacceptable termination.



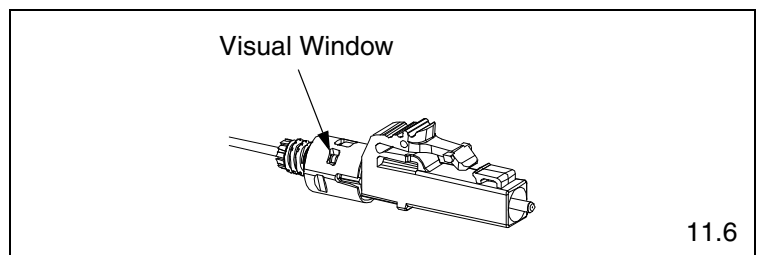
15. Remove Connector from Cradle

- 15.1 Remove the connector from the cradle by lifting the back of the connector up while sliding it out of the cradle.

CAUTION: Do not pull on cable.

16. Reposition Cradle Holder

- 16.1 Grip cradle holder by grip pads and slide cradle holder back to the pre-termination position (towards the laser aperture).

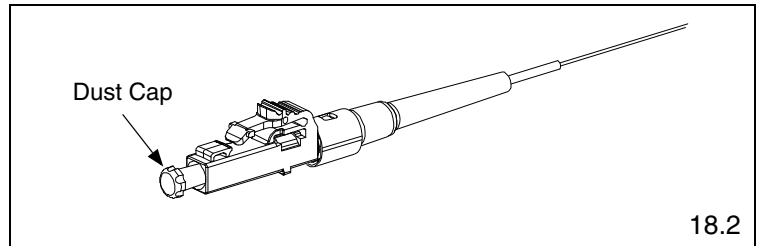
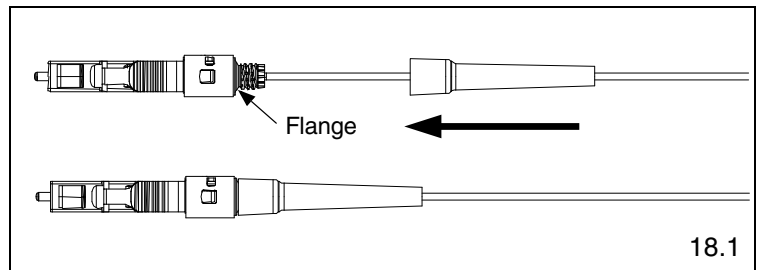


17. Remove Fiber from Cleaver Tool

Depress the fiber clamp lever then remove and properly dispose of the fiber scrap.

18. Assemble Connector and Boot

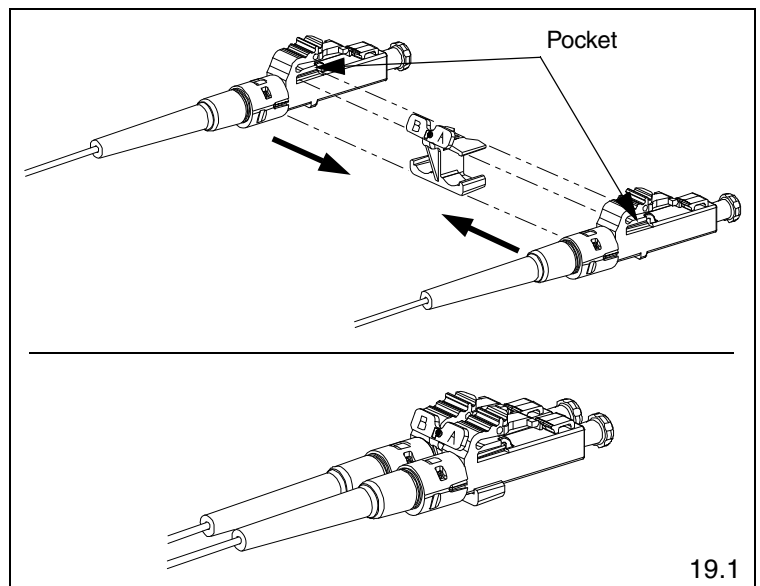
- 18.1 Push the boot forward onto the grooved area of the backbone until it is against the flange.
- 18.2 Clean the ferrule end face with an alcohol soaked wipe, and then a dry wipe. Refer to Visual Inspection and Cleaning of Fiber Optic Components Best Practices document PN446* at www.panduit.com. Place dust cap over the ferrule end.



19. Attach Duplex Clip (Optional)

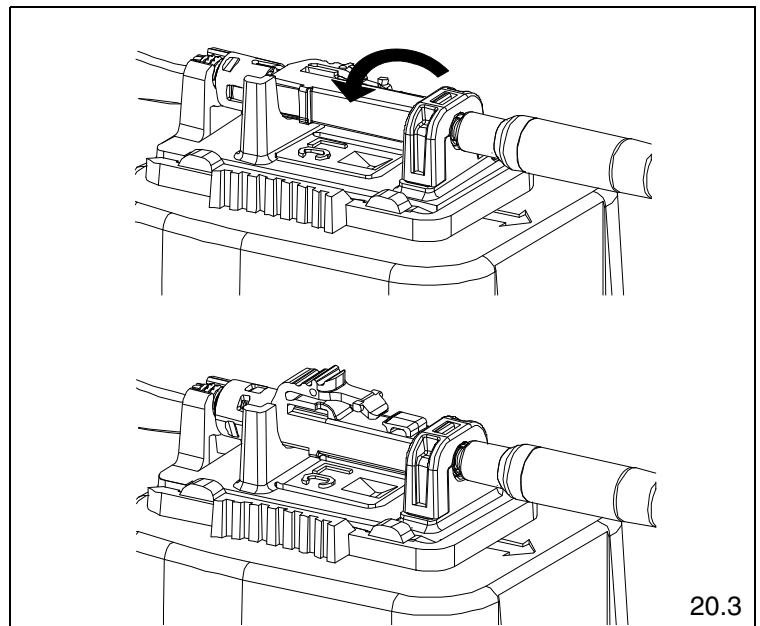
- 19.1 With a connector held as shown (latch on top, ferrule facing away), insert the connector into one side of the duplex clip as shown (clip held with the “A->B” polarity marking upright and facing forward). The upper tab of the clip should slide into the pocket underneath the latch of the connector, and the lower tab should slide under the connector housing and “snap”, locking it into place.
- 19.2 Repeat this procedure for the other connector, completing the duplexing step.

Note: When making cable assemblies, be sure to follow the correct “A->B” polarity cross-over between connectors.



20. Re-Termination

- 20.1 The connector can be re-terminated if needed. Slide the boot off the backbone and remove the dust cap.
- 20.2 Hold the connector body with the latch facing to the side and slide the connector body into the LC Cradle. The connector is inserted fully when the backbone threads snap completely in the cradle flange as shown.
- 20.3 Rotate the connector body 90° clockwise until it stops (when looking from rear of connector) to un-cam the connector. The visual window should not be green.
- 20.4 Remove the fiber and repeat from step 1.



*Denotes revision letter.

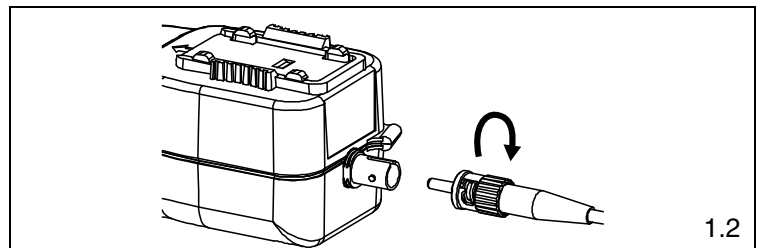
900µm Tight-Buffered Fiber Termination

To Ensure Best Termination:

- If installing more than a few connectors, or if installing OptiCam connectors for the first time or a long time, terminate several connectors and test immediately after to ensure proper technique is being applied. Testing after a few connectors allows verification that the tools are in good working condition and helps to gauge the working conditions of the environment and calibrate glow level thresholds.
- Make sure the OCTT batteries are new and fresh. If the light in the connector appears to be less bright prior to camming, consider replacing the batteries.
- Make sure the VFL patch cord is in good condition, the split sleeve is in good condition, and the ferrule endface is clean and not scratched.
- Connector glow, or lack of glow, is an indicator, not a verification of termination success. Power meters should always be used for certification testing. VFLs and/or OTDRs can be used for troubleshooting. If an OTDR needs to be used to test, launch and receive cords need to be utilized at the end of the link and an average for each connector after a bi-directional test needs to be calculated to ensure proper insertion loss for each connector.

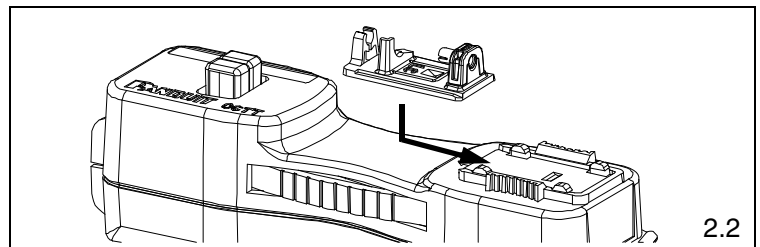
1. Attach Patch Cord to OCTT

- 1.1 Make sure laser switch is in the “O” (OFF) position.
- 1.2 Remove protective dust cover from laser. Insert ST end of FVFLPC-1.25SMY patch cord into laser aperture making sure to align tabs. Rotate barrel of ST connector clockwise to lock in place.



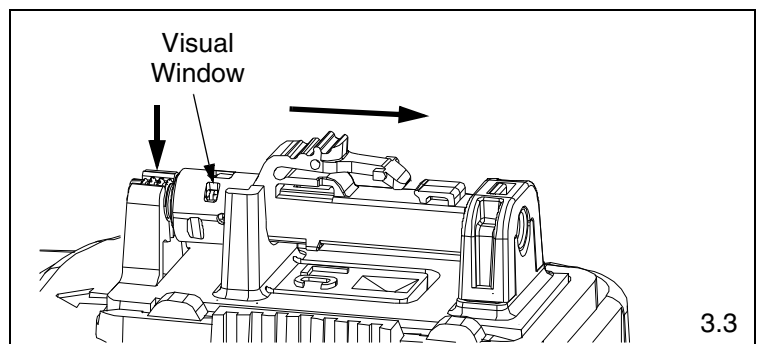
2. Insert Connector Cradle

- 2.1 Align LC Cradle with OCTT cradle holder and slide cradle under tabs of cradle holder until it stops.
- 2.2 Grip cradle holder by grip pads and slide cradle holder to the pre-termination position (towards the laser aperture).



3. Insert Connector into Cradle

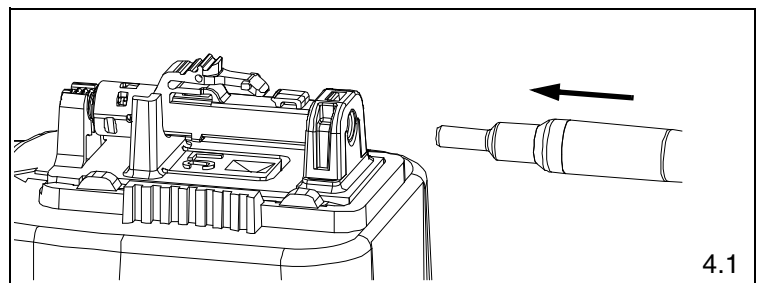
- 3.1 Remove both dust caps from the connector body.
- 3.2 If green is visible in the visual window on the backbone then the connector must be un-cammed before use (refer to Step 20 to un-cam the connector).
- 3.3 Hold the connector body with the latch facing up and slide the connector body into the LC Cradle. The connector is inserted fully when the backbone threads snap completely in the cradle flange as shown.



4. Attach Patch Cord to Connector Ferrule

Note: During insertion, the ferrule adapter end must be in-line with the connector ferrule, NOT at an angle.

- 4.1 While holding the connector still, gently slide the ferrule adapter end into the front opening of the cradle and over the connector ferrule until it stops. To maximize VFL patch cord life, avoid side-loading the ferrule adapter end during insertion and testing.



5. Strip 900µm Tight-Buffered Fiber

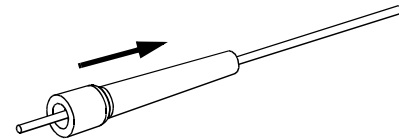
- 5.1 Insert the fiber end through the small end of the 900µm boot. Slide the boot back out of the way.
- 5.2 Use buffer stripper to strip at least 1.18" (30mm) of buffer.
- 5.3 Use the marking pen to place an insertion mark 0.59" (15mm) back from the end of the stripped buffer.

Buffer Stripping Guidelines

- Remove no more than 1/4" (6mm) of buffer at a time to avoid breaking the fiber. Refer to cable manufacturer's buffer stripping guidelines for specific recommendations.
- Hold the buffer stripper such that the arrow on the tool points in the direction of buffer removal.
- Position the fiber in the tool's V-notches. Squeeze the handles firmly and pull tool in the direction of the arrow on the tool.
- Clean the buffer stripper blades after each strip by holding the handles open then pulling the casings back and letting them snap back against the blades.

6. Cleave 900µm Tight-Buffered Fiber

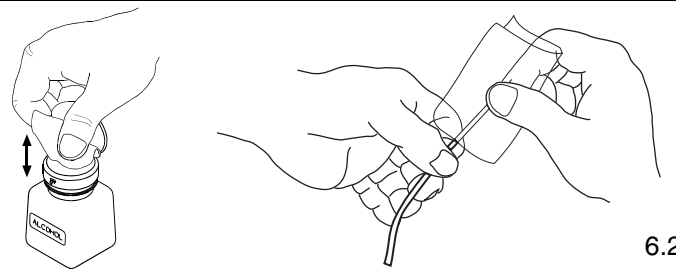
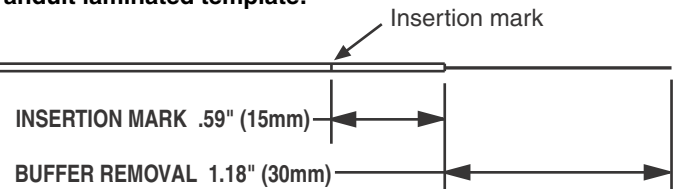
- 6.1 Remove and dispose of any remaining fiber scraps in the cleaving tool.
- 6.2 Clean bare fiber using an isopropyl alcohol (90% minimum concentration) soaked lint-free wipe. The fiber should be free of all coating and residue. To prevent contamination, do not set fiber down or allow it to touch anything after cleaning.
- 6.3 Depress the fiber clamp lever and insert the end of the fiber under the fiber clamp and in the V-groove. Hold the cleaving tool in your hand and depress the fiber clamp lever to raise the fiber clamp. Insert the end of the fiber into the V-groove and under the fiber clamp. Release the fiber clamp lever when the end of the buffer is located at the 7mm mark ($\pm 0.5\text{mm}$).
- 6.4 **This is a critical step for successful termination.** Gently hold the buffered fiber against the groove in the base plate using thumb and forefinger of your free hand. With your other thumb, **gently** push down on the housing until the ceramic blade contacts the fiber and the end of the housing contacts the rubber coating on the base plate. **DO NOT** cut the fiber with the ceramic blade. Release the housing so that the blade is no longer contacting the fiber.
- 6.5 Hold the tool in one hand while still holding the fiber against the base plate. Bend the base plate down until the fiber breaks. To prevent contamination, do not set fiber down or allow it to touch anything after cleaving. **IMPORTANT:** Do not clean fiber after cleaving. Replace the ceramic blade in the cleaving tool after every 1000 cleaves, or if installation yield decreases.
- 6.6 Replacement blade (FJQCVRB) is available.



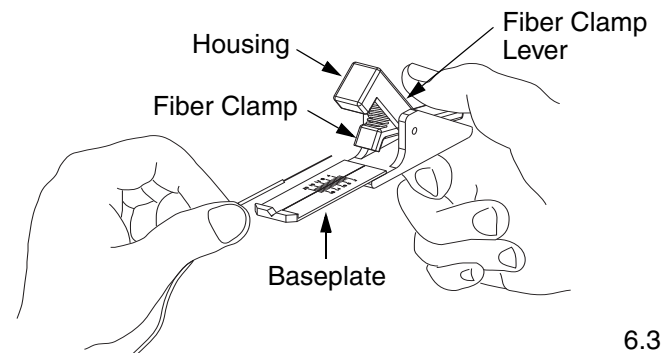
5.1

900µm TIGHT-BUFFERED STRIPPING DIMENSIONS

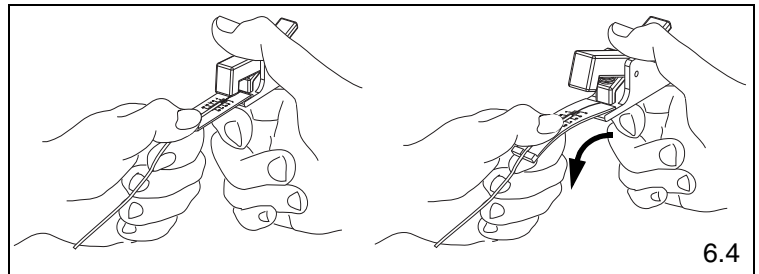
IMPORTANT! Due to printing variations, use a rigid scale for stripping dimensions, or the appropriate Panduit laminated template.



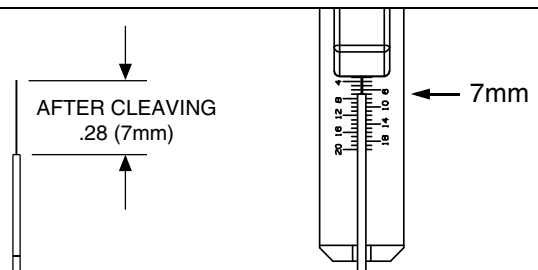
6.2



6.3

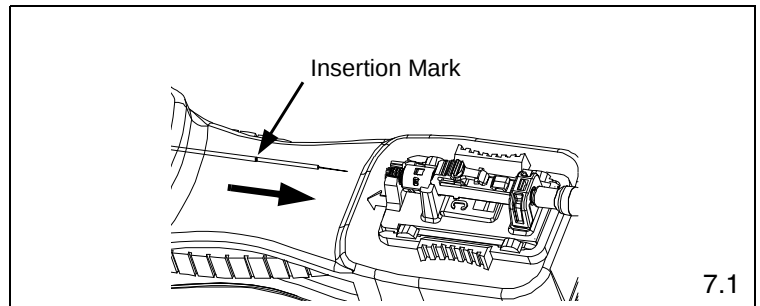


6.4

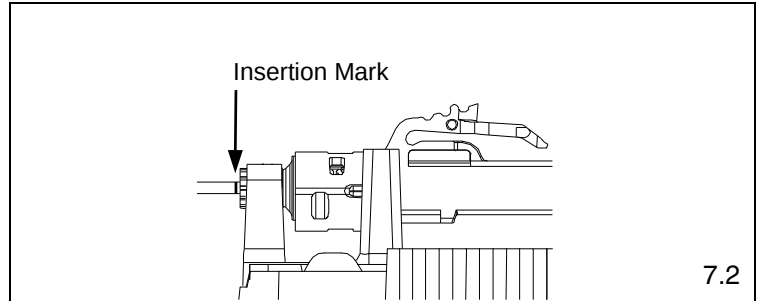


7. Insert Fiber

7.1 Insert fiber into the connector body using constant light pressure until it stops on the fiber stub. Excessive force during insertion may break the fiber. The fiber should be guided in straight, not at an angle. If resistance is felt before the fiber insertion mark is in close proximity to the back of the connector then retract the fiber a small amount and continue inserting. If the fiber insertion mark is not in close proximity to the back of the connector then withdraw the fiber completely out of the connector.

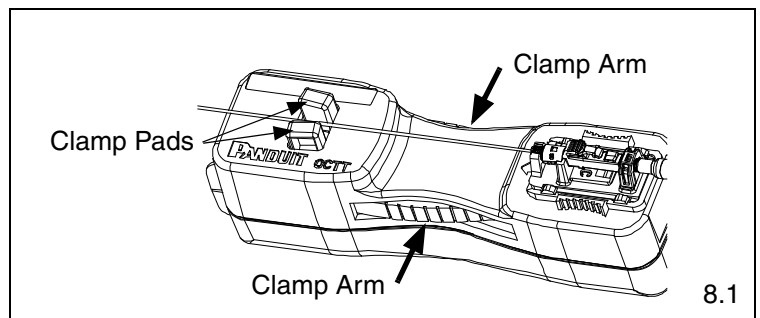


7.2 Inspect fiber cleave length. If the fiber cleave length is less than 7mm then discard the connector and return to step 5. If the fiber cleave length is 7mm then slightly rotate the fiber before repeating this step.



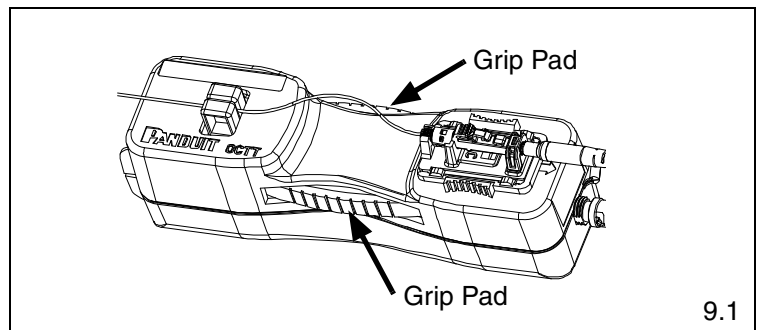
8. Clamp Cable

8.1 Squeeze both clamp arms to open clamp pads. Place cable between the clamp pads and release clamp arms. The fiber should be straight and the insertion mark should still be in close proximity to the back of the connector.



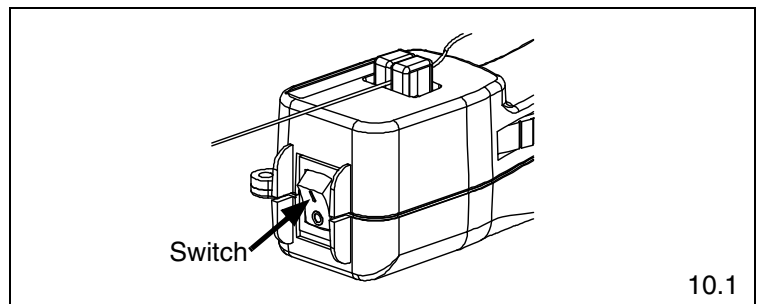
9. Shuttle Cradle Holder

9.1 Grip cradle holder by grip pads and slide cradle holder towards the cable until it stops. This will create a bow in the fiber.



10. Turn On Laser

10.1 On the end of the OCTT tool, toggle the switch to the "I" (ON) position. If the fiber is in the correct position after this step, a multimode connector typically will either be dark or glow very dimly; a singlemode connector will typically glow moderately.



11. Cam the Connector

- 11.1 Rotate the connector body 90° counter-clockwise around the center axis until it stops on the cradle (when looking from rear of connector). Ensure the connector body remains seated in the cradle during camming.
- 11.2 Make sure the VFL cord is in contact with the connector after camming.
- 11.3 Note that the glow in the connector should be dark (for both multimode and singlemode connectors). If terminating in a well lit area, the glow should be dark when your hands are cupped over the connector. Do not use the glow in the front or back of the LC connector to judge the termination. Use the glow in the middle of the connector under the latch.
- 11.4 If connector glow is not very dim, turn off laser and uncam the connector (per step 20). Pull the fiber back slightly and gently urge it forward until it stops on the stub fiber. (Re-check to make sure the insertion mark is near the back of the connector).
- 11.5 Turn the laser on and re-cam the connector. It should dim or remain dark. If not, turn off the laser and repeat the process starting at step 5.
- 11.6 The small visual window on the backbone will be green to indicate the connector is in the cam position.

12. Turn Off Laser

- 12.1 Toggle the OCTT switch to the “O” (OFF) position. While holding connector in place, remove ferrule adapter end of patch cord from connector.

13. Place the Dust Cover on the Patch Cord (Optional)

14. Unclamp Cable

- 14.1 Squeeze both clamp arms to open the clamp pads. Remove cable from between the clamp pads and release clamp arms.
- CAUTION: DO NOT** pull on cable while the connector is still held in place by the cradle. Doing so could break the fiber or create an unacceptable termination.

15. Remove Connector from Cradle

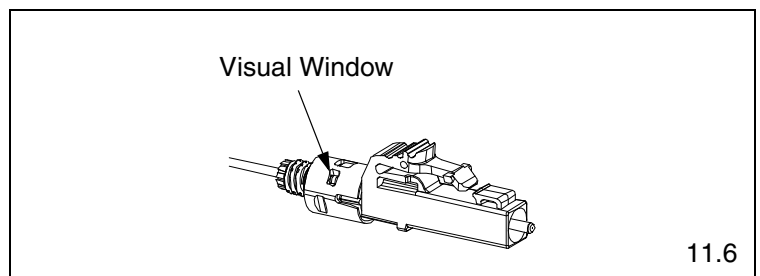
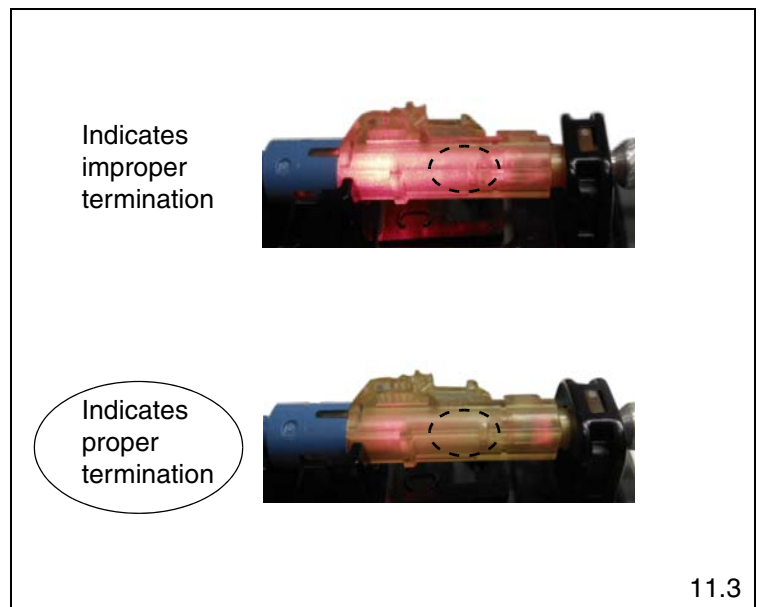
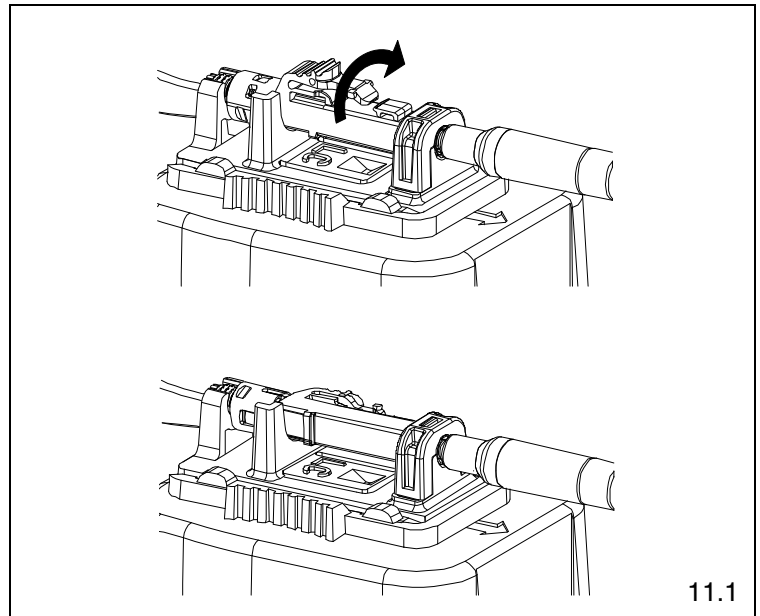
- 15.1 Remove the connector from the cradle by lifting the back of the connector up while sliding it out of the cradle.
- CAUTION:** Do not pull on cable.

16. Reposition Cradle Holder

- 16.1 Grip cradle holder by grip pads and slide cradle holder back to the pre-termination position (towards the laser aperture).

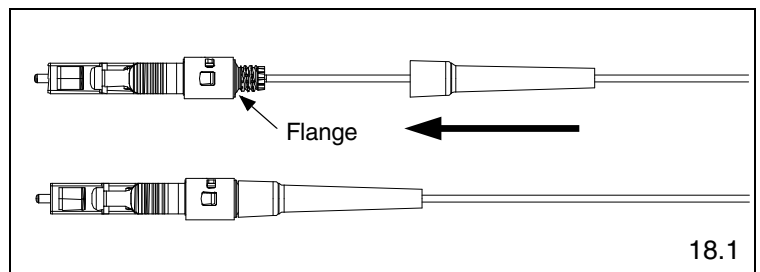
17. Remove Fiber from Cleaver Tool

- 17.1 Depress the fiber clamp lever then remove and properly dispose of the fiber scrap.



18. Assemble Connector and Boot

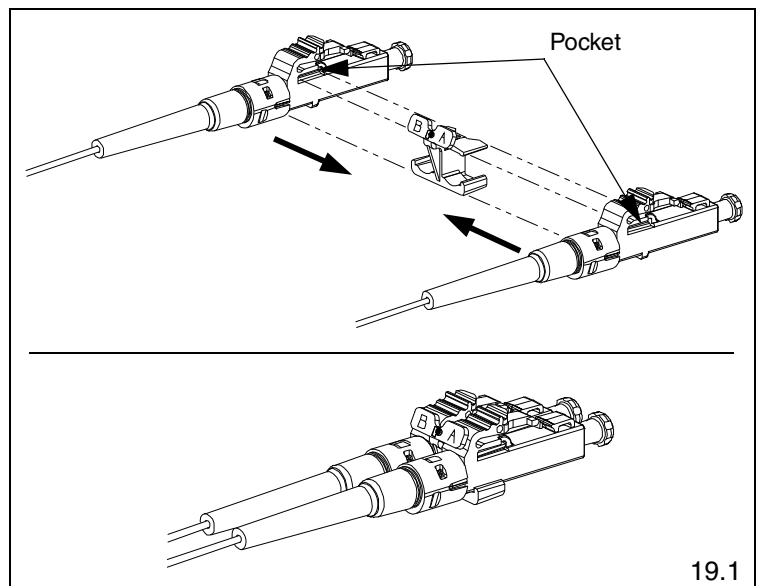
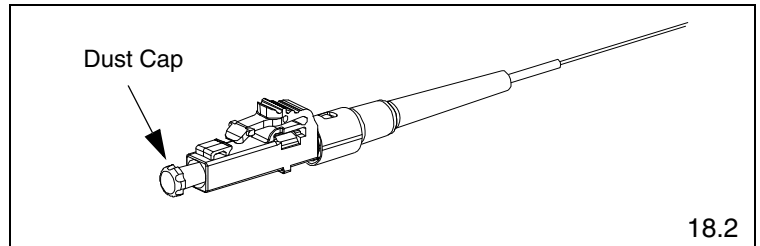
- 18.1 Push the boot forward onto the grooved area of the backbone until it is against the flange.
- 18.2 Clean the ferrule end face with an alcohol soaked wipe, and then a dry wipe. Refer to Visual Inspection and Cleaning of Fiber Optic Components Best Practices document PN446* at www.panduit.com. Place dust cap over the ferrule end.



19. Attach Duplex Clip (Optional)

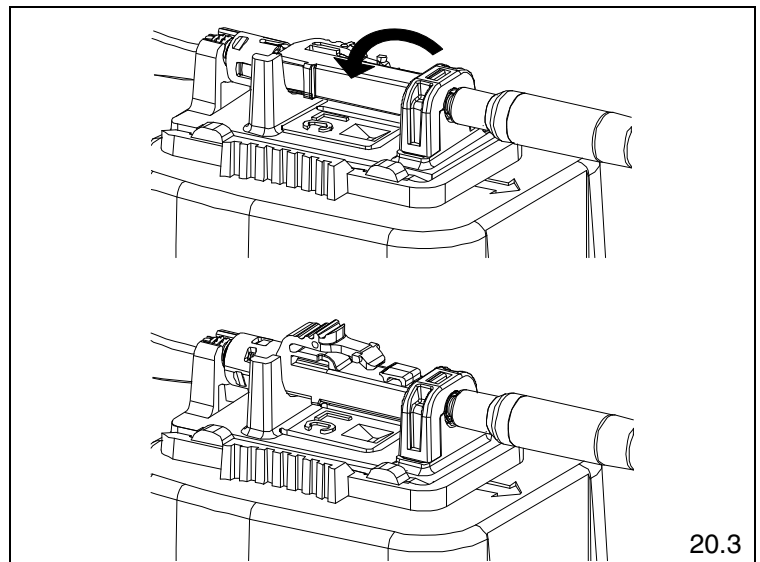
- 19.1 With a connector held as shown (latch on top, ferrule facing away), insert the connector into one side of the duplex clip as shown (clip held with the "A->B" polarity marking upright and facing forward). The upper tab of the clip should slide into the pocket underneath the latch of the connector, and the lower tab should slide under the connector housing and "snap", locking it into place.
- 19.2 Repeat this procedure for the other connector, completing the duplexing step.

Note: When making cable assemblies, be sure to follow the correct "A->B" polarity cross-over between connectors.



20. Re-Termination

- 20.1 The connector can be re-terminated if needed. Slide the boot off the backbone and remove the dust cap.
- 20.2 Hold the connector body with the latch facing to the side and slide the connector body into the LC Cradle. The connector is inserted fully when the backbone threads snap completely in the cradle flange as shown.
- 20.3 Rotate the connector body 90° clockwise until it stops (when looking from rear of connector) to un-cam the connector. The visual window should not be green.
- 20.4 Remove the fiber and repeat from step 1.



*Denotes revision letter.

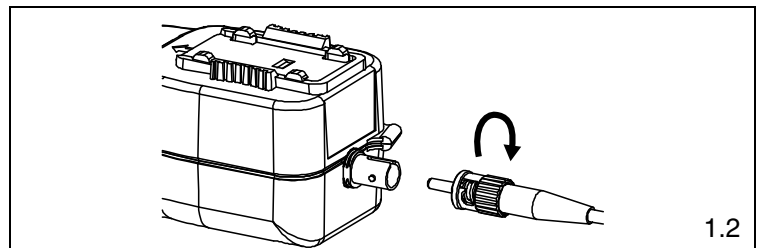
Jacketed Cable Termination

To Ensure Best Termination:

- If installing more than a few connectors, or if installing OptiCam connectors for the first time or a long time, terminate several connectors and test immediately after to ensure proper technique is being applied. Testing after a few connectors allows verification that the tools are in good working condition and helps to gauge the working conditions of the environment and calibrate glow level thresholds.
- Make sure the OCTT batteries are new and fresh. If the light in the connector appears to be less bright prior to cabling, consider replacing the batteries.
- Make sure the VFL patch cord is in good condition, the split sleeve is in good condition, and the ferrule endface is clean and not scratched.
- Connector glow, or lack of glow, indicates the probability of a successful termination. Power meters should always be used for certification testing. VFLs and/or OTDRs can be used for troubleshooting. If an OTDR needs to be used to test, launch and receive cords need to be utilized at the end of the link and an average for each connector after a bi-directional test needs to be calculated to ensure proper insertion loss for each connector.

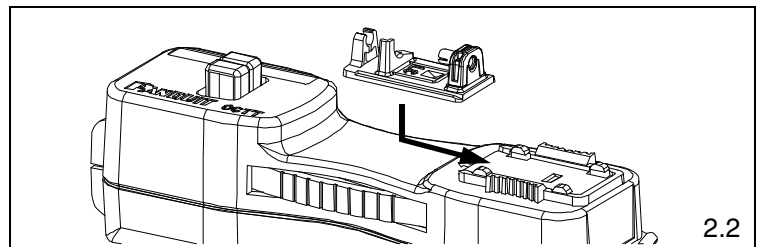
1. Attach Patch Cord to OCTT

- 1.1 Make sure laser switch is in the "O" (OFF) position.
- 1.2 Remove protective dust cover from laser. Insert ST end of FVFLPC-1.25SMY patch cord into laser aperture making sure to align tabs. Rotate barrel of ST connector clockwise to lock in place.



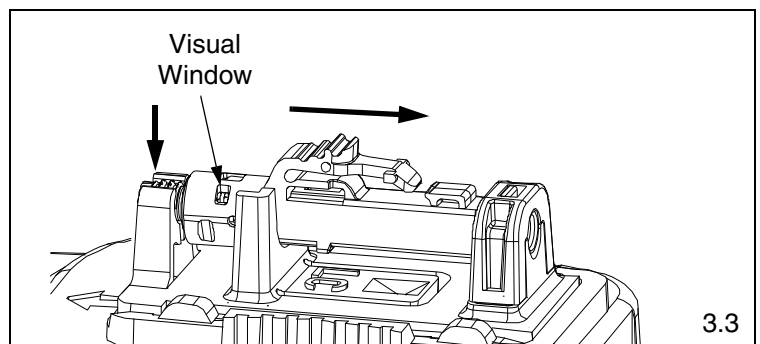
2. Insert Connector Cradle

- 2.1 Align LC Cradle with OCTT cradle holder and slide cradle under tabs of cradle holder until it stops.
- 2.2 Grip cradle holder by grip pads and slide cradle holder to the pre-termination position (towards the laser aperture).



3. Insert Connector into Cradle

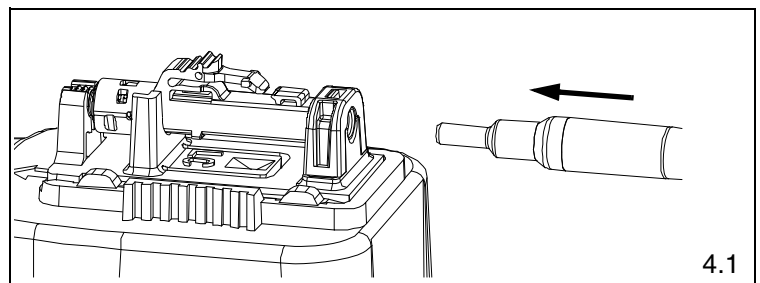
- 3.1 Remove both dust caps from the connector body.
- 3.2 If green is visible in the visual window on the backbone then the connector must be un-cammed before use (refer to Step 18 to un-cam the connector).
- 3.3 Hold the connector body with the latch facing up and slide the connector body into the LC Cradle. The connector is inserted fully when the backbone threads snap completely in the cradle flange as shown.



4. Attach Patch Cord to Connector Ferrule

Note: During insertion, the ferrule adapter end must be in-line with the connector ferrule, NOT at an angle.

- 4.1 While holding the connector still, gently slide the ferrule adapter end into the front opening of the cradle and over the connector ferrule until it stops. To maximize VFL patch cord life, avoid side-loading the ferrule adapter end during insertion and testing.



For Technical Support: www.panduit.com/resources/install_maintain.asp

5. Strip Jacketed Cable

- 5.1 If using duplex cable, split the two cables approximately 6" (152mm) or as needed.
- 5.2 Following the stripping dimensions, use the marking pen to mark the cable jacket 1.89" (48mm) from the end.
- 5.3 Strip off the cable at the jacket removal mark. To reduce wear on the jacket stripper blades, do not slide the blades along the aramid yarn. Instead, use the tool to cut through the jacket, then pull off the jacket by hand. For 3.0mm jacketed fiber, use the third hole (marked "1.3mm" or #16AWG) from the tip of the jacket stripper. For 1.6mm - 2.0mm jacketed fiber, use the first hole (marked "0.8mm" or #20AWG) from the tip of the jacket stripper.
- 5.4 Insert fiber through the small end of appropriate boot for your specific cable type. Use the boot to fold the aramid yarn back over the jacket, holding it out of the way.
- 5.5 Use the marking pen to place a buffer length mark on the buffer 0.71" (18mm) from the edge of the jacket. Place an insertion mark 0.59" (15mm) back from the first mark.
- 5.6 Use the marking pen to place a mark on the buffer at the edge of the jacketing.
- 5.7 Use the buffer stripper to strip the buffer to the buffer length mark.

Buffer Stripping Guidelines

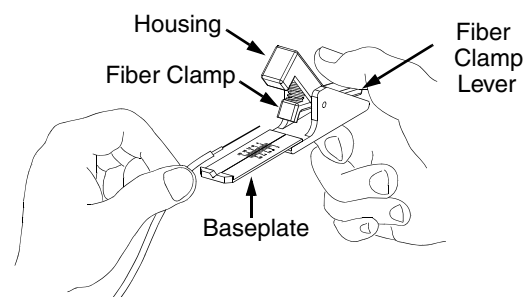
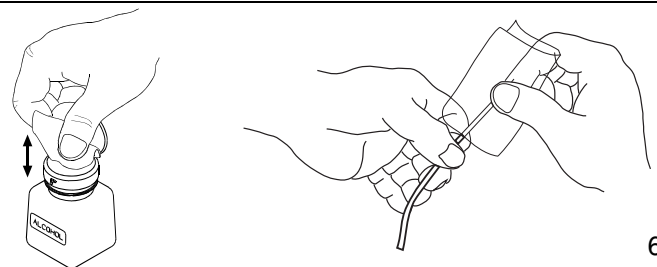
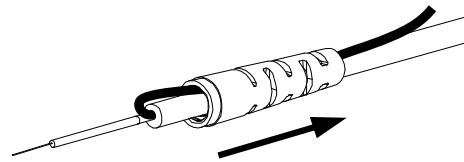
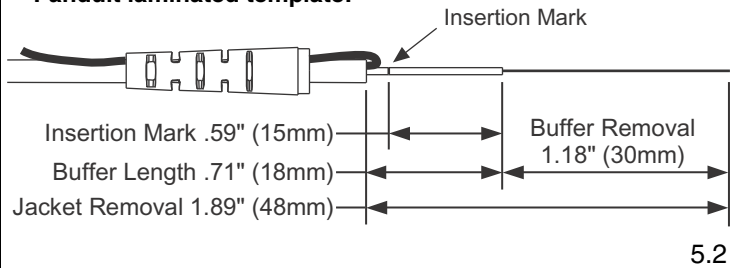
- Remove no more than 1/4" (6mm) of buffer at a time to avoid breaking the fiber. Refer to cable manufacturer's buffer stripping guidelines for specific recommendations.
- Hold the buffer stripper such that the arrow on the tool points in the direction of buffer removal.
- Position the fiber in the tool's V-notches. Squeeze the handles firmly and pull tool in the direction of the arrow on the tool.
- Clean the buffer stripper blades after each strip by holding the handles open then pulling the casings back and letting them snap back against the blades.

6. Cleave 900µm Tight-Buffered Fiber

- 6.1 Remove and dispose of any remaining fiber scraps in the cleaving tool.
- 6.2 Clean bare fiber using an isopropyl alcohol (90% minimum concentration) soaked lint-free wipe. The fiber should be free of all coating and residue. To prevent contamination, do not set fiber down or allow it to touch anything after cleaning.
- 6.3 Depress the fiber clamp lever and insert the end of the fiber under the fiber clamp and in the V-groove. Hold the cleaving tool in your hand and depress the fiber clamp lever to raise the fiber clamp. Insert the end of the fiber into the V-groove and under the fiber clamp. Release the fiber clamp lever when the end of the buffer is located at the 7mm mark ($\pm 0.5\text{mm}$).

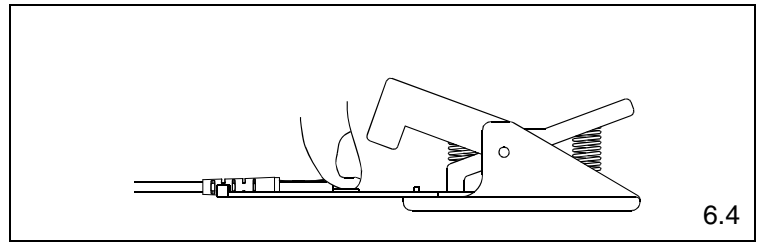
Jacketed Cable STRIPPING DIMENSIONS

IMPORTANT! Due to printing variations, use a rigid scale for stripping dimensions, or the appropriate Panduit laminated template.



6.4 This is a critical step for successful termination.

Gently hold the buffered fiber against the groove in the base plate using thumb and forefinger of your free hand. With your other thumb, **gently** push down on the housing until the ceramic blade contacts the fiber and the end of the housing contacts the rubber coating on the base plate. **DO NOT** cut the fiber with the ceramic blade. Release the housing so that the blade is no longer contacting the fiber.



6.4

6.5 Hold the tool in one hand while still holding the fiber against the base plate. Bend the base plate down until the fiber breaks. To prevent contamination, do not set fiber down or allow it to touch anything after cleaving.

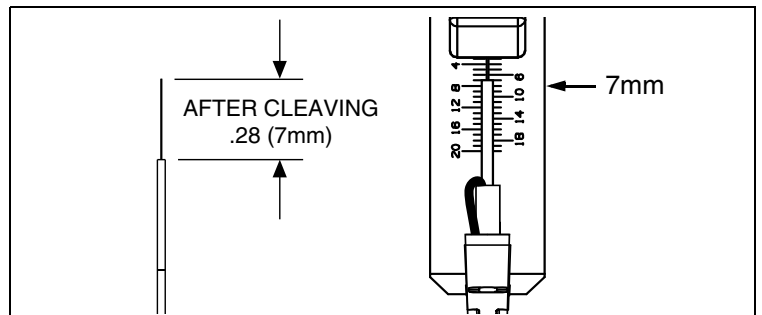
IMPORTANT: Do not clean fiber after cleaving.

Replace the ceramic blade in the cleaving tool after every 1000 cleaves, or if installation yield decreases.



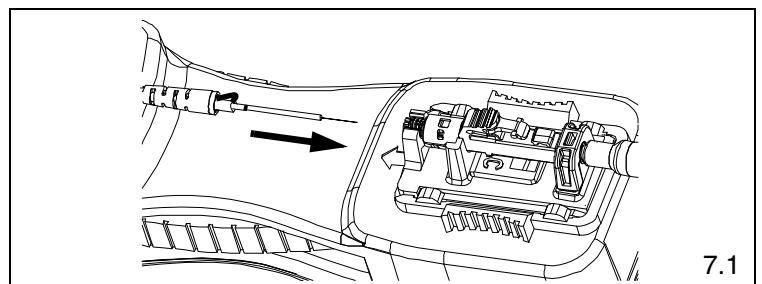
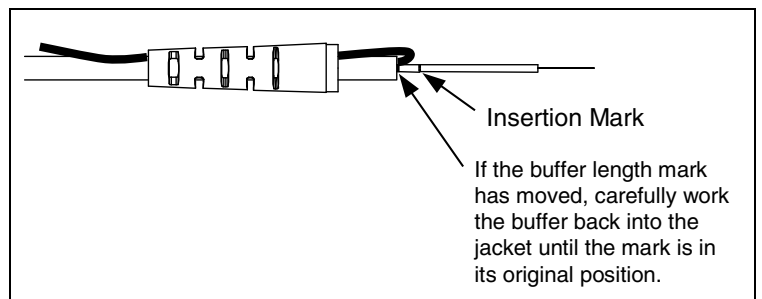
6.5

6.6 Replacement blade (FJQCVRB) is available.

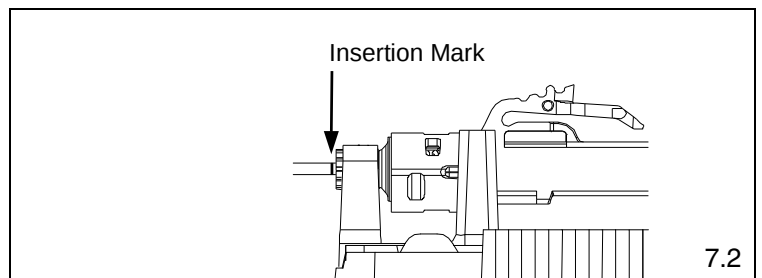
**7. Insert Fiber**

7.1 Check the location of the buffer length mark to make sure it is at the edge of the jacket. If necessary, carefully work the fiber back in until the mark is at the edge of the jacket.

7.2 Insert fiber into the connector body using constant light pressure until it stops on the fiber stub. Excessive force during insertion may break the fiber. The fiber should be guided in straight not at an angle. If resistance is felt before the fiber insertion mark is in close proximity to the back of the connector then retract the fiber a small amount and continue inserting. If the fiber insertion mark is not in close proximity to the back of the connector then withdraw the fiber completely out of the connector. Inspect fiber cleave length. If the fiber cleave length is less than 7mm then discard the connector and return to step 5. If the fiber cleave length is 7mm then slightly rotate the fiber before repeating this step.



7.1



7.2

8. Clamp Cable

- 8.1 Squeeze both clamp arms to open clamp pads. Place cable between the clamp pads and release clamp arms. The fiber should be straight and the insertion mark should still be in close proximity to the back of the connector.

Note: Do not shuttle cradle holder for jacketed cable terminations.

9. Turn On Laser

- 9.1 On the end of the OCTT tool, toggle the switch to the "I" (ON) position. If the fiber is in the correct position after this step, a multimode connector typically will either be dark or glow very dimly; a singlemode connector will typically glow moderately.

10. Cam the Connector

- 10.1 Rotate the connector body 90° counter-clockwise around the center axis until it stops on the cradle (when looking from rear of connector). Ensure the connector body remains seated in the cradle during camming.
- 10.2 Make sure the VFL cord is in contact with the connector after camming.
- 10.3 Note that the glow in the connector should be dark (for both multimode and singlemode connectors). If terminating in a well lit area, the glow should be dark when your hands are cupped over the connector. Do not use the glow in the front or back of the LC connector to judge the termination. Use the glow in the middle of the connector under the latch.
- 10.4 If connector glow is not very dim, turn off laser and uncam the connector (per step 18). Pull the fiber back slightly and gently urge it forward until it stops on the stub fiber. (Re-check to make sure the insertion mark is near the back of the connector).
- 10.5 Turn the laser on and re-cam the connector. It should dim or remain dark. If not, turn off the laser and repeat the process starting at step 5.
- 10.6 The small visual window on the backbone will be green to indicate the connector is in the cam position.

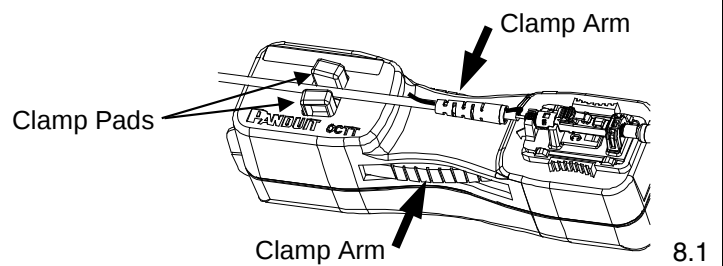
11. Turn Off Laser

- 11.1 Toggle the OCTT switch to the "O" (OFF) position. While holding connector in place, remove ferrule adapter end of patch cord from connector.

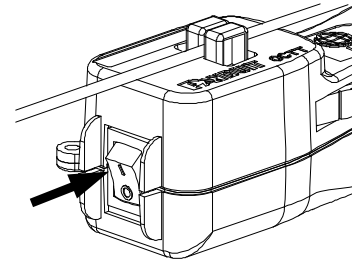
12. Place the Dust Cover on the Patch Cord (Optional)

13. Unclamp Cable

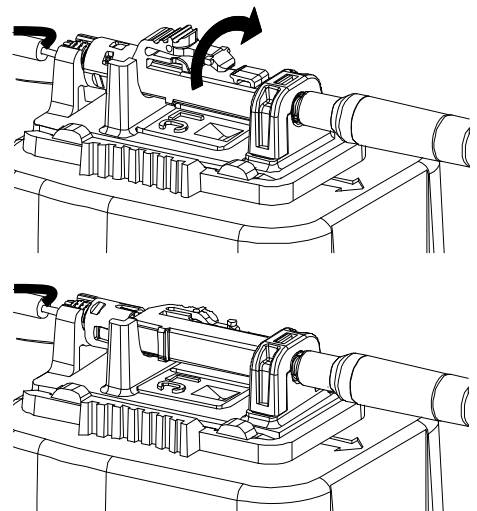
- 13.1 Squeeze both clamp arms to open the clamp pads. Remove cable from between the clamp pads and release clamp arms. **CAUTION: DO NOT** pull on cable while the connector is still held in place by the cradle. Doing so could break the fiber or create an unacceptable termination.



8.1

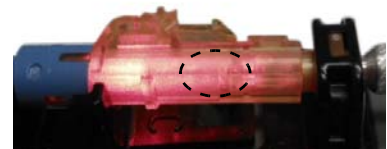


9.1



10.1

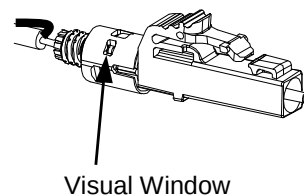
Indicates
improper
termination



Indicates
proper
termination



11.3



10.6

14. Remove Connector from Cradle

- 14.1 Remove the connector from the cradle by lifting the back of the connector straight up and sliding it out of the cradle.

CAUTION: Do not pull on cable.

15. Remove Fiber from Cleaver Tool

- 15.1 Depress the fiber clamp lever then remove and properly dispose of the fiber scrap.

16. Assemble Connector and Boot

- 16.1 Slide the boot back to release the aramid yarn. Cut the aramid yarn approximately 0.20" (5mm) past the flange.
- 16.2 Flare the aramid yarn **evenly** around the perimeter of the grooved area of the backbone. Use tweezers for best results. There will be a slight gap between the cable jacket and the backbone.
- 16.3 Push the boot forward and thread clockwise onto the grooved area of the backbone until it seats against the flange. Best cable retention is achieved when the aramid yarn protrudes slightly from the flange area.
- 16.4 Clean the ferrule end face with an alcohol soaked wipe, and then a dry wipe. Refer to Visual Inspection and Cleaning of Fiber Optic Components Best Practices document PN446* at www.panduit.com. Place dust cap over the ferrule end.

17. Attach Duplex Clip (Optional)

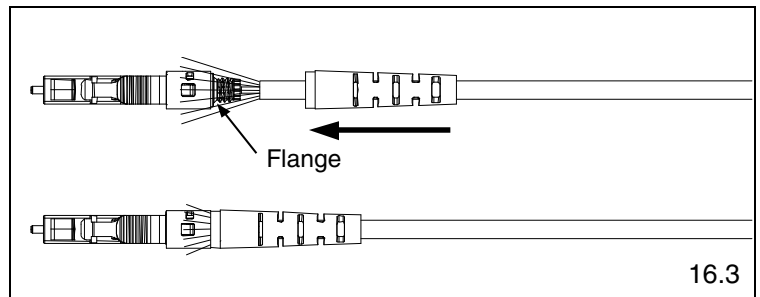
- 17.1 With a connector held as shown (latch on top, ferrule facing away), insert the connector into one side of the duplex clip as shown (clip held with the "A->B" polarity marking upright and facing forward). The upper tab of the clip should slide into the pocket underneath the latch of the connector, and the lower tab should slide under the connector housing and "snap", locking it into place.

- 17.2 Repeat this procedure for the other connector, completing the duplexing step.

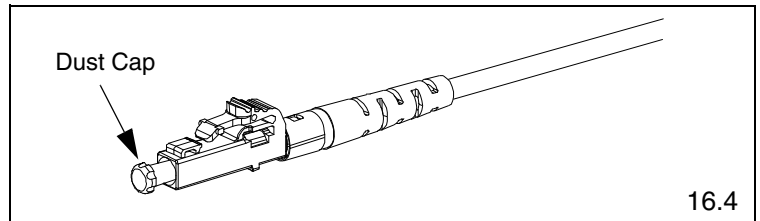
Note: When making cable assemblies, be sure to follow the correct "A->B" polarity cross-over between connectors.

18. Re-Termination

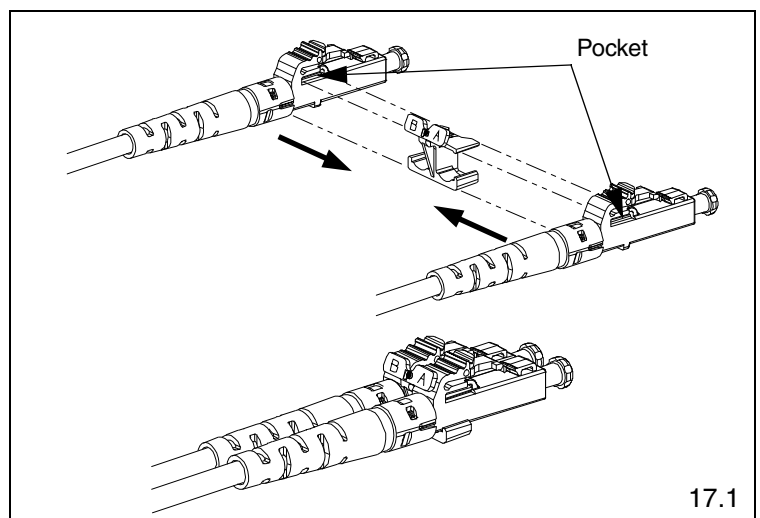
- 18.1 The connector can be re-terminated if needed. Unscrew the boot from the backbone and remove the dust cap.
- 18.2 Hold the connector body with the latch facing to the side and slide the connector body into the LC Cradle. The connector is inserted fully when the backbone threads snap completely in the cradle flange as shown.
- 18.3 Rotate the connector body 90° clockwise until it stops (when looking from rear of connector) to un-cam the connector. The visual window should not be green.
- 18.4 Remove the fiber and repeat from step 1.



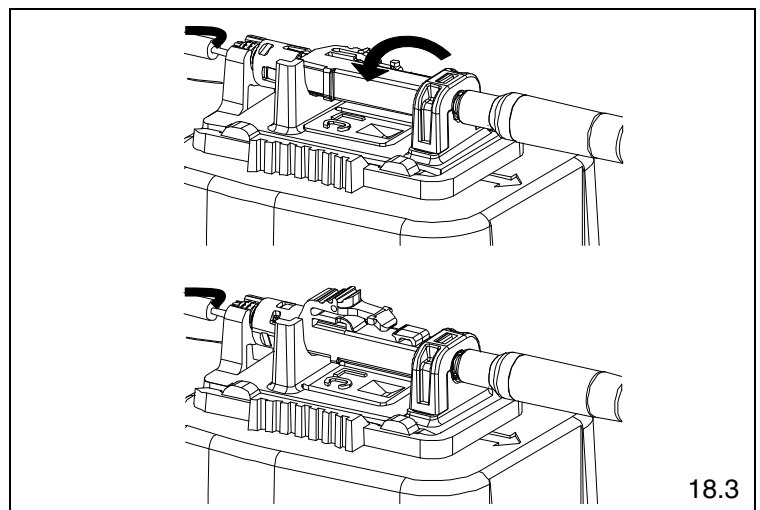
16.3



16.4



17.1



18.3

*Denotes revision letter.

For Instructions in Local Languages
and Technical Support:

www.panduit.com/resources/install_maintain.asp

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