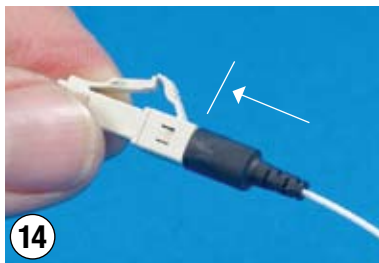
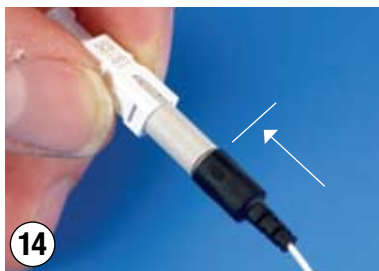


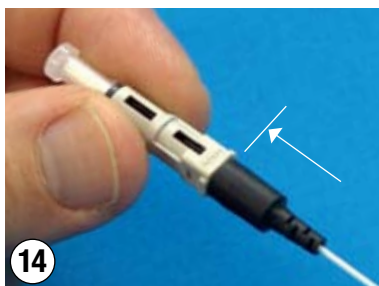
2.11 Slide the boot up and engage it over the rear of the connector body. (see **Figure 14**)



14 Applies to LC connector



14 Applies to SC connector



14 Applies to ST connector

2.12 Check bevel for proper orientation and apply the connector housing onto the assembly from the front. This step does not apply to LC connector. (see **Figure 15**)



15 Applies to SC connector



15 Applies to ST connector

**NOTE:** The dust cap over the ferrule should remain in place until you are ready to insert the connector.

## Ordering Information

### SC Connectors:

FIBER TYPE	HOUSING COLOR	CABLE SIZE	FAST® SC PART NUMBER*
Multimode 50/125	Black	250 or 900µm	CS000825-10
Multimode 62.5/125	Beige	250 or 900µm	CS000826-10
Single-mode	Blue	250 or 900µm	CS000827-10
LO Multimode 50/125	Aqua	250 or 900µm	CS001267-10

### ST Connectors:

FIBER TYPE	HOUSING COLOR	CABLE SIZE	FAST® ST PART NUMBER*
Multimode 50/125	Black	250 or 900µm	CS000828-10
Multimode 62.5/125	Beige	250 or 900µm	CS000829-10
Single-mode	Blue	250 or 900µm	CS000830-10
LO Multimode 50/125	Aqua	250 or 900µm	CS002478-10

### LC Connectors:

FIBER TYPE	HOUSING COLOR	CABLE SIZE	FAST® LC PART NUMBER*
Multimode 50/125	Black	250 or 900µm	CS002438-10
Multimode 62.5/125	Beige	250 or 900µm	CS002439-10
Single-mode	Blue	250 or 900µm	CS002440-10
LO Multimode 50/125	Aqua	250 or 900µm	CS002460-10

\* Packaged as bag of 10 connectors

### Consumables and Tools:

DESCRIPTION	PART #
FAST® Connector Universal Termination Kit	CS001201
<i>Kit includes:</i>	
Fiber Stripper	CS001205
Scissors	C095257
Lint-Free Cloth Wipes	FM000413
Fiber Prep Fluid	FPF1-00-0900
Marker Pen	C015830
FAST® Connector Installation & Assembly Instructions	CS004185
Strip Length Template	CS001203
Assembly Video	CS001204
Carrying Case	CS001202
CT-30A Universal Cleaver	S014080

# FAST™ Connector Installation & Assembly Instructions

## 1.0 GENERAL

1.01 These instructions describe the assembly procedure for installing AFL FAST™ Connectors. Be sure to read these instructions carefully before installing the connector.

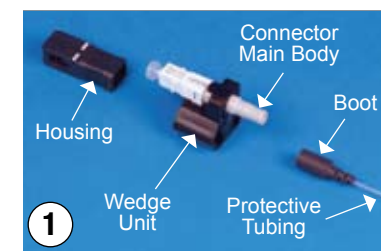
**WARNING:** Always wear eye protection when handling optical fibers. Dispose of any cut or cleaved ends properly.

1.02 An optional FAST™ Connector Universal Termination Kit is available and contains (see **Figure 4**):

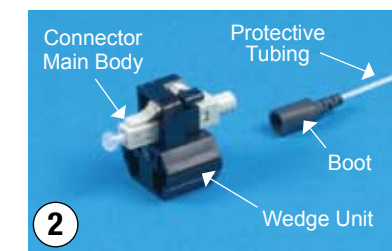
- Fiber Stripper
- Scissors
- Lint-free cloth wipes
- Fiber prep fluid
- Marker pen
- Instruction booklet
- Strip length template
- Assembly video
- Carrying case
- CT-30A Cleaver

## 2.0 INSTALLATION

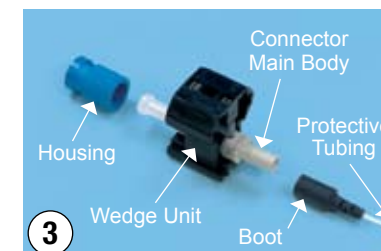
2.01 Identify components of the connector kit. (see **Figures 1 thru 3**)



1 Applies to SC connector



2 Applies to LC connector

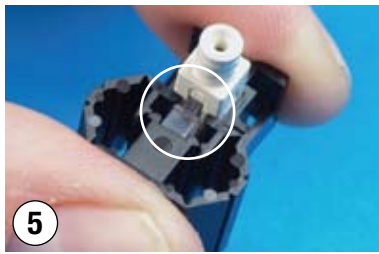


3 Applies to ST connector



4 Applies to SC, LC, ST connectors

**2.02** The wedge is engaged at shipment. If it has become dislodged, squeeze the top and bottom insuring the wedge is inserted into the connector body. A click will be heard. (see **Figure 5**)



**Applies to LC connector**

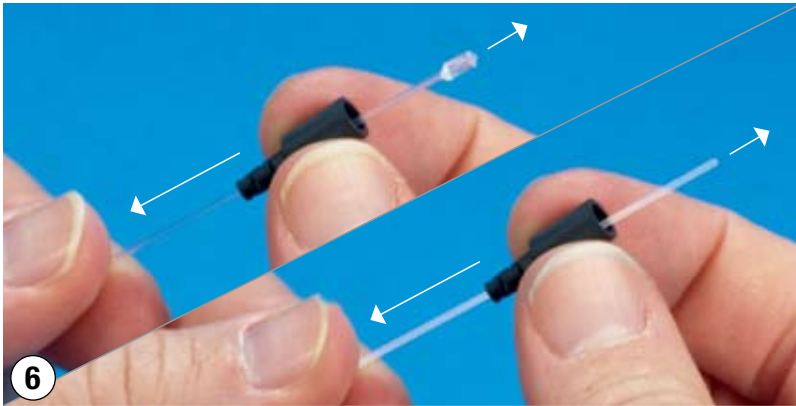
**2.03** If using 900µm buffered fiber, remove the protection tubing from the boot. Slide it out the front of the boot. Slide the boot onto the fiber, small end first. (see **Figure 6**)



**Applies to SC, ST connectors**

**2.04 For 250µm:** Strip the fiber to a length of 30mm.

**For 900µm:** Strip the fiber to a length of 30mm by removing 6mm at a time.



**Applies to LC, SC, ST connectors**

**Fanout (Breakout) Tubing:** Cut the 250µm fiber 38-40mm from the end of the colored furcation tube. Mark the 250µm fiber 8mm from the colored furcation tube end and strip the 250µm fiber from the mark. (see **Figure 7**)



**Applies to LC, SC, ST connectors**

**2.05** Check fiber for integrity by bending the stripped end of the fiber slightly. This insures that you have not damaged it during the stripping step. Clean the stripped fiber with an alcohol wipe to remove any buffer coating or debris. (see **Figure 8**)



**Applies to LC, SC, ST connectors**

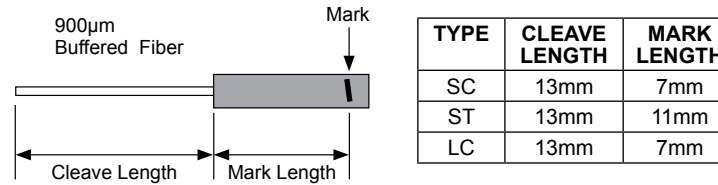
**2.06** Cleave the fiber according to specifications. The Fujikura CT-30A cleaver is recommended for single-mode or multimode FAST™ connectors. (see **Figures 9 and 10**)



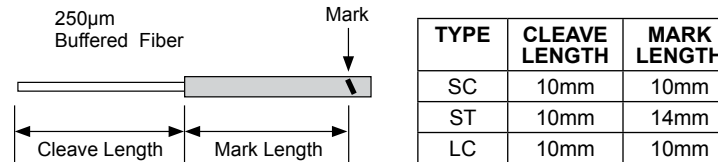
**Applies to LC, SC, ST connectors**

**10 Fiber Cleave Specifications**  
(illustrations are NOT to scale)

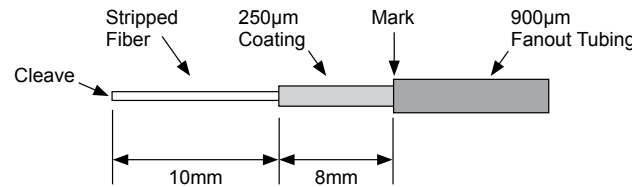
**Cleave Length for 900µm Buffered Fiber**



**Cleave Length for 250µm Coated Fiber.**



**Cleave Length for Fanout (Breakout) Tubing Kit.**



**2.07** Insert the cleaved fiber into the rear of the connector. Carefully guide the fiber into connector body opening. (see **Figure 11**)

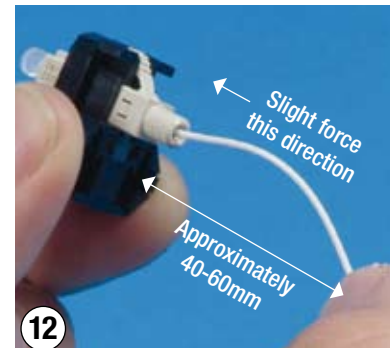


**Applies to LC connector**

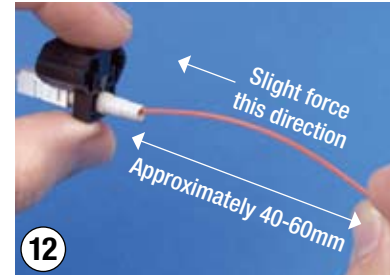


**Applies to SC, ST connectors**

**2.08** Hold the fiber approximately 40-60mm behind the connector and maintain a slight force and bend on the fiber in line with the connector. This insures the prepared fiber is against the internal fiber. Your mark on the fiber should be hidden inside the connector body. (see **Figure 12**)



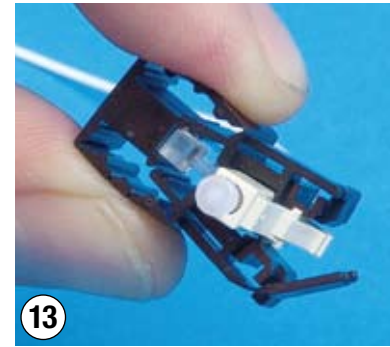
**Applies to LC connector**



**Applies to SC, ST connectors**

**2.09** Maintaining the slight force on the fiber, release the wedge clip by squeezing it from the side until the wedge pulls out of the connector body.

**2.10** Continue squeezing wedge clip until it opens and the connector is released. (see **Figure 13**)



**Applies to LC connector**



**Applies to SC, ST connectors**