

p.n. 490111

# User manual



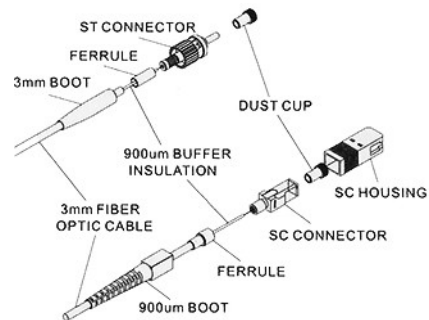
## 1. WARNING

- a) Be careful with the operation. Bare fiber is danger to our eyes and skin.  
After cutting, dispose it with tape.
- b) Cleanser includes alcohol, so be aware if eye contact
- c) Improper tear, bend and squeeze could disfigure the fiber cable  
and result in resetting the cables

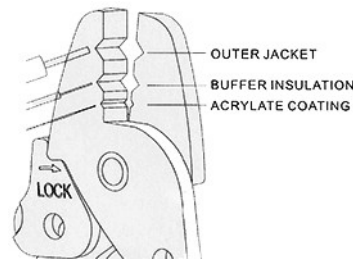
## 2. Operation Manual

For ST/Sc 3mm Single mode optical fiber.

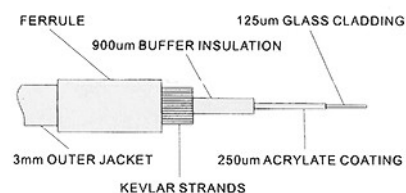
**Step 1.** Slide the 3mm boot (small end first ) down to the cable until it is out of the way.



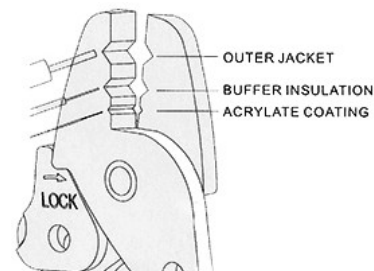
**Step 2.** Strip off about 35mm for ST 130mm for SC of Outer jacket with stripping tool, maintain 10mm(ST)/8mm(SC) of the Kevlar and cut off the rest with cutter.



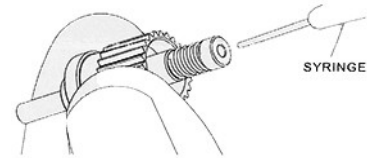
**Step 3.** Fold the Kevlar back over the cable jacket and then slide the ferrule down and to hold the Kevlar, thus exploding the 900um cable.



**Step 4.** Remove 18mm(S T/SC) of 900um buffer insulation with the second hole of stripping tool, and then use the last hole (smallest hole ) of stripping tool to remove the acrylate coating.  
Clean the fiber with the cleanser.

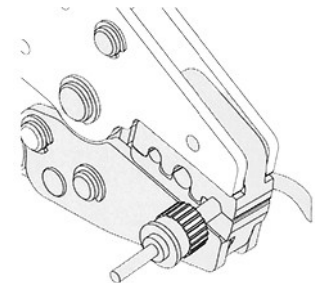


**Step 5.** Clean the optic fiber connector with wipe paper and then inject it with the mix of A/B fast epoxy glue.

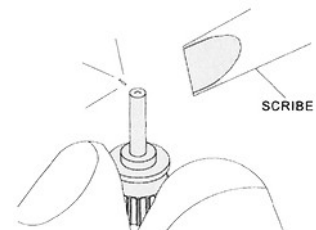


**Step 6.** Insert the bare fiber into ST/SC Conn. entirely until it stops. And then smear a little mixed epoxy glue on the top of Conn.

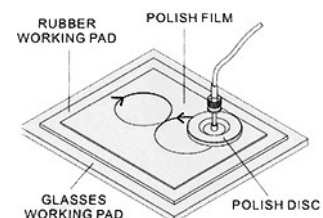
**Step 7.** Hold the cable and slide the ferrule back along the cable jacket to free the kevlar, flare the Kevlar around the buffered fiber. Hold the connector and push the ferrule over the Kevlar and sleeve it. Crimp the ferrule onto the connector with crimping tool. Smear a little mixed epoxy glue on the sleeve and fit the boot.



**Step 8.** When the epoxy glue is solidified, cut the bare fiber over the top of connector with the carbide scribe.



**Step 9.** Fasten the connector into ST/SC polish disc. Set the diamond polish film, Brown Diamond Polish Film on the rubber working pad first, polishing the top of connector on the polish film as "8" character about 20 cycles. Follow the same steps to use Purple Diamond Polish Film and last Aluminum Oxide Polish Film.



**Step 10.** After polishing work completed. Inspect the end of surface with microscope or other related instrument.

**Step 11.** After finishing above steps . Use cleanser, to clean the contact part. Then install the dust cup.

**Carbide Scribe  
(HT-MJ018A)**



**Crimp Tool  
(HT-225H)**



**Stripper  
(HT-S144H)**



**Kevlar Cutter  
(HT-C151)**



**Syringe  
(HT-MJ027)**



**A/B Fast Epoxy  
Glue (HT-MN002)**



**Cleanser  
(HT-MN012)**



**ST Polish Dish  
(HT-MMB006)**



**SC Polish Disc  
(HT-MMB005)**



**Rubber Working Pad  
(HT-PB042)**



**Wet Wipe  
(HT-MN011)**



**Epoxy Mixer  
(HT-MN006)**



**Epoxy Mixer Pad  
(HT-MN007)**



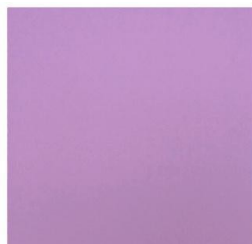
**Glasses Working Pad  
(HT-MN001)**



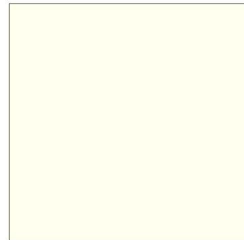
**6uM Brown Diamond  
Polish Film (HT-MN0041)**



**1uM Purple Diamond  
Polish Film (HT-MN0051)**



**Aluminum Oxide Polish  
Film (HT-MN0031)**



**Tool Bag**

