

## **1. OPTICAL FIBER TERMINATION KIT**

Please refer to the rear page for individual tool introduction.

### **2.WARNING:**

- 1.)Pls. be careful with the operation. Bare fiber is danger to our eyes and skin.  
After the cutting, disposal it with tape.
- 2.)Cleanser includes alcohol so be aware of eye contact.
- 3.)Improper tear, bend and squeeze could disfigure the fiber cable and result in resetting cables.

### **3. OPERATION MANUAL**

#### **For ST Connectors**

- Step.1.Slide small end down the cable and then slide 3mm boot the same way until both are out of the way.
- 2.Strip off about 40mm section of outer jacket with stripping tool, trim the kevlar to the end of the outer jacket. (Maintain about 10mm of kevlar showing.)
3. Slide the crimp ring first and then fold the kevlar back over the cable jacket.  
(see figure 2.)
4. Remove 20mm of fiber with the second hole of HT-223H. And then use the last hole of HT-223H to remove the buffer coating.  
Clean the optic fiber connector with wipe paper
5. Inject it with the mix of A/B fast epoxy glue. (see figure 3.)
6. Insert the bare fiber into ST Conn. until it stopped firmly. And then smear a little mixed epoxy glue on the top of conn.
7. Hold the cable and slide the crimp ring back along the cable jacket to free the kevlar and then flare the kevlar around the buffered fiber. Hold the connector and push the crimp ring over the kevlar and sleeve it. Crimp the crimp ring onto the connector with HT-225H. Smear a little mixed epoxy glue on the sleeve and fit the boot.
8. When the epoxy glue is solidified, cut the bare fiber over the top of connector with HT-MJ018A.
- 9.Fasten the connector into ST polish disc. Set the diamond polish film ,HT-MN0041, 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 HT-MN0051 and last HT-MN0031.
- 10.After polishing work completed. Inspect the end of surface with microscope or related instrument.
11. After finishing above steps. Use cleanser, HT-MN012, to clean the contact part.  
Then install the dust cup.

## 2. OPTICAL FIBER TERMINATION KIT

Please refer to the rear page for individual tool introduction.

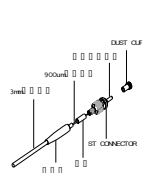
### 2.WARNING:

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

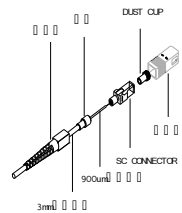
### 3. OPERATION MANUAL

#### For ST/SC 3mm Single-Fiber Cable Assembly

Step.1.Slide the 3mm boot (small end first) down to the cable until it is out of the way. (As figure A or B.)

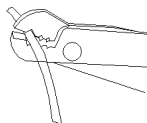


(figure A.)

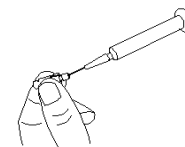


(figure B.)

- 2.Strip off about 40mm for ST /30mm for SC of outer jacket with HT-223H stripping tool, maintain 10mm(ST)/8mm(SC) of the Kevlar and cut off the rest with HT-C151 cutter.
3. Fold the kevlar back over the cable jacket and then slide the crimp ring down and to hold the kevlar, thus exploding the 900um cable. (As figure 2.)



(figure 2.)



(figure 3)

4. Remove 20mm(ST)/12mm(SC) of fiber with the second hole of HT-223H. And then use the last hole (smallest hole) of HT-223H to remove the buffer coating. Clean the fiber with the cleanser HT-MN012.
5. Clean the optic fiber connector with wipe paper and then inject it with the mix of A/B fast epoxy glue. (As figure 3.)
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.

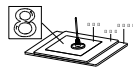
7. Hold the cable and slide the crimp ring back along the cable jacket to free the kevlar, flare the kevlar around the buffered fiber. Hold the connector and push the crimp ring over the kevlar and sleeve it. Crimp the crimp ring onto the connector with HT-225H. Smear a little mixed epoxy glue on the sleeve and fit the boot. (As figure 4.)



(figure 4.)



(figure 5.)



(figure 6.)

8. When the epoxy glue is solidified, cut the bare fiber over the top of connector with the diamond scribe HT-MJ018A. (As figure 5.)
9. Fasten the connector into ST/SC polish disc. Set the diamond polish film, HT-MN0041, 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 HT-MN0051 and last HT-MN0031. (As figure 6.)
10. After polishing work completed. Inspect the end of surface with microscope or other related instrument.
11. After finishing above steps. Use cleanser, HT-MN012, to clean the contact part. Then install the dust cup.