

INSTALLATION QUICK-GUIDE

Cable Mounting for IMT Connectors: ST, SC, FC

For preparation of 250 μ buffer fiber mounting
insert into required fan-out tubing & cut fiber even with tubing

STEP 1

Slide appropriate strain relief boot(s) - and Kevlar crimp sleeve for Kevlar cable mounting - onto the fiber (or 3mm patchcord cable)

STEP 2

Cable & Buffer stripping

For Cable Mounting - **prior** to Buffer stripping:

A. first strip cable jacket as follows:

36mm (~1 3/8") for ST

32mm (~1 1/4") for SC

39mm (~1 1/2") for FC

B. cut Kevlar strength members to 14mm (~1/2") in length

• Strip buffer - **3 to 5 mm** (~1/8" min. to 3/16" max.)

• Clean any residue on fiber to facilitate threading step

STEP 3

Threading of fiber

- Place the rear end of the connector onto the Crimp Tool for holding purpose (**without actual crimping at this time**)
- Thread fiber through connector as far as it will go (gently move the connector/tool to facilitate threading of the fiber)

STEP 4

Buffer crimping

Crimp the back of the connector to the buffer using appropriate die hole marked for 900 μ or 250 μ buffer fiber in fan-out tubing respectively

STEP 5

Impact mounting

- Using the Hand Tool, place the ST/ SC/ FC Insert onto the rails (use a screwdriver to secure the Insert)
DON'T overscrew - this will bend the 2 rods and make alignment block hard to slide
- Lay the connector snugly on the V-groove of the insert by **placing the tail end of the connector first**
- Slide the alignment block forward to the connector tip, (sliding should be easy if rods are not bent)
- Hold down the handle without actual impacting to help bring alignment block forward next to the connector tip
- **Test proper alignment by sliding the alignment block slightly in and out of the tip of the connector by hand; it should be easily done**
- Do actual Impact Mounting by squeezing the handle hard (a "click" sound will be heard)

STEP 6

Hand cleaving

Place the blade parallel to the surface of the connector tip and cleave at the very base of the fiber; then bend the fiber with the blade for a clean break-off

Caution: Dispose all fibers safely; glass fibers are harmful to your health

STEP 7

For Kevlar mounting only

Pull Kevlar strength members and crimp sleeve up towards the back of the connector

STEP 8

For Kevlar crimping only

- Using the Kevlar crimp tool, crimp Kevlar sleeve to the back of the connector using proper die hole for **ST, SC or FC**
- crimp the sleeve to the cable jacket **using #.128** die hole

STEP 9

Slide strain relief boot(s) in place over the back of connector

STEP 10

For SC connector only

Install SC component parts together with correct alignment

STEP 11

Hand Polishing

- First remove any rough edges by hand polish in the air with **12 μ paper** 2 to 3+ times
 - Using an appropriate polishing puck, polish fiber surface with **3 μ paper** about 12 time (light pressure first for about 2 seconds and then press harder)
 - Finish gently with **0.3 μ paper** for another 12 times
- Use a figure 8 motion** to cover a diameter of 4" for all polishing or best results; center core fiber should be mirror-finished; ignore minor scratches outside core (repolish more if necessary to achieve desirable result)
- DO NOT Over polish:** too much polishing will remove the impacted connector tip and fiber will loosen up

Additional Tips

STEP # 1 - It is recommended to use both small and big strain relief boots for buffer fiber mounting for additional support

STEP # 2 - Make sure the transparent buffer is completely stripped to avoid threading problem

STEP # 4 & # 8 - Make sure to squeeze handles of crimp tool to close completely for full force

STEP # 5 - Do not impact driver cone without connector in it; It will damage the empty cone

STEP # 5 - Clean driver cone frequently with brush for any debris to avoid impact mounting problem

For 250 μ buffer fiber – fan-out tubing is required
Buffer crimp will not compress on smaller fiber



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Figure 1. Crimping Locations

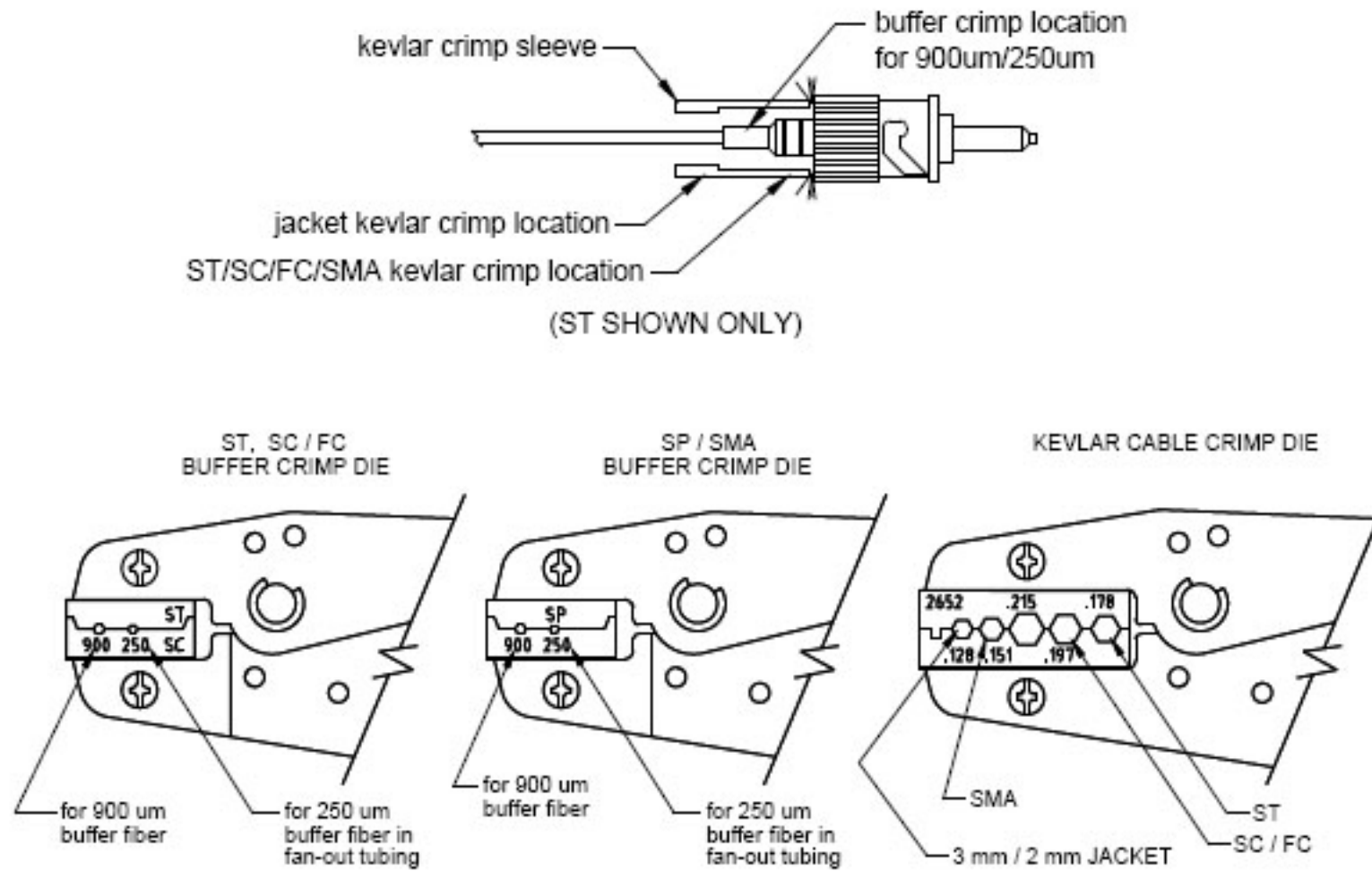


Figure 2. Polishing

