Qwik II SC/LC/ST CONNECTOR
Installation & Assembly Instructions

1.0 GENERAL

1.01 These installation instructions describe the assembly procedure for the Qwik II SC, LC and ST connectors, which allow termination on 900um fiber and 250um fiber with a fanout/breakout kit.

NOTE

DO NOT use these instructions to install previous versions of Qwik SC, LC and ST connectors.

WARNING

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

1.02 The Qwik II Connector Universal Tool Kit is required (see Figure 1):

- Fiber Stripper
- Fiber Preparation Fluid
- Lint-free cloth wipes
- Scissors
- Fiber Cleaver
- Installation Instructions
- Strip length template
- Marker Pen
- 0.25/0.9mm Cable Clamp
- Carrying Bag

2.0 COMPONENTS

2.01 Identify components of the connector kit. (See Figure 2 thru 4)

NOTE

Keep the ferrule’s dust cap on until ready to install the connector.

Universal Tool Kit

Qwik II SC Connector

Qwik II LC Connector

Qwik II ST Connector

3.0 FIBER TERMINATION

3.01 Tools required for installation are the Precision Cleaver and a fiber stripper.

NOTE

When using a 900um Fanout/Breakout kit to upjacket 250um fiber, follow the manufacturer’s instructions. Alter the kit is installed properly, the following procedures for Qwik II termination are applicable. The 0.25/0.9mm cable clamp is required.

3.02 When using a 900um Fanout/Breakout Kit:

Measure 10 inches from end of 900um tube and place the 0.25/0.9mm tube into the 900um cable clamp. Slide the cable clamp to tighten tube down. (See Figure 5)

3.03 Slide the 900um boot onto the fiber. (See Figure 6)

3.04 Reference the Strip length template; strip the fiber to a length of 40mm by removing 10mm at a time. (See Figure 7)

3.05 From the end of the 900um buffered fiber, place a mark at 15.5mm for SC and ST or a mark at 11.5mm for LC. (See Figure 8)

3.06 Clean the stripped fiber with an alcohol wipe to remove any debris. Check the fiber integrity by bending the stripped end slightly at 60°. (See Figure 8)

3.07 Set the stripped fiber onto the cleaver such that the 900um buffered fiber's edge is between 10.5mm to 11mm position and cleave. (See Figure 9)

3.08 The wedge clip is engaged at shipment. If it has become dislodged, squeeze the top and bottom of the wedge clip, insuring it is inserted in the connector body. A click will be heard. (See Figure 10)

3.09 OPTION A:

1. Insert the cleaved fiber into the rear of the connector until a connection is made. Make a bend in the fiber to maintain connection. (See Figure 11 and 12)

2. Release the wedge lip by squeezing both sides until the wedge dislocates itself from the connector body. Remove the wedge clip. (See Figure 13)

OPTION B: Use a Visual Fault Identifier or VFI as an aid to determine if cleaved fiber and stubbed fiber are connected properly.

1. Remove the connector dust cap and insert the connector into the VFI. Turn the VFI on; there will be a red glow in Position 1 of the wedge clip. (See Figure 14)

2. Insert the cleaved fiber into the rear of the connector until the red glow dims in Position 1 of the wedge clip. Make a bend in the fiber to maintain connection. (See Figure 15)

3. Release the wedge lip by squeezing both sides until the wedge dislocates itself from the connector body. Remove the wedge clip. Remove the VFI from the connector and place the dust cap back onto the connector's ferrule.

3.10 Slide the boot up and over the rear of the connector body. Termination is complete. (See Figure 16)

3.11 When using a 900um Fanout/Breakout Kit: Remove the cable clamp from the 900um tubing.

3.12 ST CONNECTOR ONLY.

Install the connector housing onto the connector. (See Figure 17)