1. PRECAUTIONS

WARNING: Never look directly into the end of a fiber that may be carrying laser light. Laser light can be invisible and can damage your eyes. Viewing it directly does not cause pain. The iris of the eye will not close involuntarily as when viewing a bright light. Consequently, serious damage to the retina of the eye is possible. Should accidental eye exposure to laser light be suspected, arrange for an eye examination immediately.

WARNING: DO NOT use magnifiers in the presence of laser radiation. Diffused laser light can cause eye damage if focused with optical instruments. Should accidental eye exposure to laser light be suspected, arrange for an eye examination immediately.

CAUTION: Recommend the use of safety glasses (spectacles) conforming to ANSI Z87, for eye protection from accidental injury when handling chemicals, cables, or working with fiber. Pieces of glass fiber are very sharp and have the potential to damage the eye.

CAUTION: The wearing of cut-resistant safety gloves to protect your hands from accidental injury when using sharp-bladed tools and armored cable is strongly recommended. Use extreme care when working with severed armor. There will be a sharp edge where armor is cut. To minimize the chance of injury from the cut armor, cover the exposed edge with a wrap of electrical tape. To minimize the chance of injury from sharp-bladed tools, always cut away from yourself and others. Dispose of used blades and armor scrap properly.
2. SPLICE CASSETTE (CCH-CS) INSTALLATION — TIGHT BUFFER OR LOOSE TUBE FIBER

2.1. Fiber Routing

**CAUTION:** Cleaved or broken glass fibers are very sharp and can pierce the skin easily. Do not let these pieces of fiber stick to your clothing or drop in the work area where they can cause injury later. Use tweezers to pick up cleaved or broken pieces of glass fibers and place them on a loop of tape kept for that purpose alone. **Good housekeeping is very important.**
2.2. Cable Preparation

<table>
<thead>
<tr>
<th>Strip Lengths for Splicing</th>
<th>Strain-relief Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>1U/2U/3U Housing</td>
<td>62 inches</td>
</tr>
<tr>
<td>4U Housing</td>
<td>82 inches</td>
</tr>
</tbody>
</table>

STANDARD RECOMMENDED PROCEDURE 003-895 | ISSUE 1 | OCTOBER 2011 | PAGE 3 OF 11
2.3. Splicing Tight Buffer or Loose Tube Fiber

1. Cut to:
   - 48 inches (250 micron)
   - 35 inches (900 micron)

2. Repeat Step 5 on the other side of cassette. Loop and store all fiber under flanges.

3. Fold fiber over into cassette and store under flanges.

4. Cover

5. Close cover.
3. SPLICE CASSETTE (CCH-CS) INSTALLATION — RIBBON FIBER

3.1. Ribbon Fiber Preparation and Routing

1. Cut 9 inches of protective tubing.

2. CRITICAL STEP: Slide tubing onto ribbon up to the fan-out body.

NOTE: Ensure length of pigtail is approximately 35 inches from fan-out body.

TPA-3936

Protective tubing is required for ribbon splicing application.

TPA-3937

Store up to 38 inches of cable slack under cassette.
Capture fibers and ribbon under flanges.

Press plungers to install adapter panel.

Ensure slack is properly managed.
3.2. Ribbon Fiber Splicing

NOTE: Rotate splice organizer 90-degrees from its factory-installed orientation meant for single fibers to the orientation shown for ribbon fiber splices.

3.3. Splicing Preparation

Strip Lengths for Splicing

<table>
<thead>
<tr>
<th>Housing</th>
<th>Strain-relief Point</th>
<th>62 inches</th>
<th>82 inches</th>
<th>110 inches</th>
<th>130 inches</th>
</tr>
</thead>
<tbody>
<tr>
<td>1U/2U/3U</td>
<td></td>
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<tr>
<td>4U</td>
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</tr>
</tbody>
</table>
Bring pigtail ribbon from bottom layer into top layer.

Slide heatshrink tube onto ribbon up to jacket.

Route as shown.

Apply heat to heatshrink tube.

Place ribbons in tube; secure with cable tie.

Route as shown.

Route ribbon to bottom layer.

Splice per the instructions provided with the splice equipment.

Cut ribbons in center of organizer.

Store ribbons in tube; secure with cable tie.

Route as shown.

Store heatshrink tubing in splice organizer.

Close cover.

Loosely secure ribbon with cable tie.

Store ribbon in slack storage area on bottom layer.
4. SLACK CASSETTE (CCH-CF) FIELD TERMINATION — LOOSE TUBE OR RIBBON CABLE

5. SLACK CASSETTE (CCH-CF) FIELD TERMINATION — TIGHT BUFFER CABLE
6. CASSETTE INSTALLATION IN CCH-01U, CCH-02U, OR CCH-03U CLOSET CONNECTOR HOUSING

2. Slide covers apart to remove.

3. Remove:
   - 4 Panel Clips
   - 2 Blank Panels
   - 8 Routing Guides
   - 1 Strain-relief Bracket

4. Install bottom front stacker. Slide into keyhole.

5. 24 inches

6. 24 inches

8. Routing Guides

7. 24 inches
7. CASSETTE INSTALLATION IN CCH-04U CLOSET CONNECTOR HOUSING

1. Open front and rear doors.
2. Remove: 12 Blank Panels
3. Remove: 24 Panel Clips
4. Remove: 8 Routing Guides
5. Install: 12 Tracks in base
6. 44 inches
7. Install: 10 Tracks in roof
8. Install cassettes (up to 12).