**FDF (Fiber Distribution Frame)**

**Swing-Out Module / SJOF-FDF-RM-12C**

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**COMPONENTS**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel band</td>
<td>2 each</td>
</tr>
<tr>
<td>Protection tube (OSP)</td>
<td>2 each (1000mm)</td>
</tr>
<tr>
<td>Protection tube (Cord)</td>
<td>2 each (25mm)</td>
</tr>
<tr>
<td>Sleeve (*)</td>
<td>12 each</td>
</tr>
<tr>
<td>Cable tie</td>
<td>4 each</td>
</tr>
<tr>
<td>Ground Terminal set (*)</td>
<td>1 each</td>
</tr>
<tr>
<td>User manual</td>
<td>1 each</td>
</tr>
</tbody>
</table>

\* optional

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**SJOF-FDF-RM-12S**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable tie</td>
<td>1 each</td>
</tr>
</tbody>
</table>

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1. **Ground terminal fixing**
   Place two plastic washers on each side and attach the grounding terminal on the real panel.

2. **Mounting**
   Mount Swing-out Modules (SJOF-FDF-RM-12C) on a 19” open rack or a cabinet using an approved installation method.
   
   **Note:** You can move the mounting tabs to the middle to mount the module on a 19” rack.

3. **OSP Cable Preparation**
   Cut off about 1m from the end and mark the stripping point using a tape 1.50cm point from the cut end.

   Remove the sheath from the marked point using a sheath stripper.

4. **OSP Cable Clamping**
   Secure the cable to the rear side of the shelf with a provided steel band.

5. **OSP Cable Routing**
   After the cable termination, protection tubes are routed into the swing-out module. Pass the tubes into tube guides marked as A and B. Tie the tubes at C using a cable tie.

   **Note:** When you are using multi-pigtail assemblies, they are routed from the same direction, but cables should be tied at D.

6. **Adapter Installation**
   If adapters are not installed, remove the adapter panel from the body and insert SC adapters into slots. Attach the panel back on the body.

   **Note:** To install other types of adapters, different type of panels are required. Make sure all the slots are facing toward the same direction.

7. **Pigtail Preparation**
   Remove the jumper cord sheath leaving 2cm from the adapter end.

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**If the OSP cable has a metallic sheath and tension member, insert the tension member into the ground terminal and tighten it using a screwdriver.**

**Note:** Grounding procedure cannot be skipped for safety reasons.
8. Pigtail insertion

Insert each 12 pigtail cords (each 0.9 mm) into a provided 25 mm protection tube to make a cord unit for easy identification.

Note: Multi pigtail assemblies should be arranged by the color. Panel A: blue, orange, green, red, yellow and violet. Panel B: brown, black, white, gray, aqua and pink.

9. Optical Fiber Splicing

Check the color of fibers and remove coatings. Cut the fiber using an approved fiber cutting method. Splice fibers using an approved fiber splicing method.

Note: Consider bending radius at any procedure.

10. Splice Storage

When the splicing is completed, insert sleeves into slits accordingly. Store surplus fibers on the tray considering bending radius. Close the transparent lid on the tray.

11. Record index card

After record the contents of works on the cover of splice tray, close the cover of splice tray.

12. Patchcord Connection

Connect patchcords on the opposite side of adapters.

Note: According to the Fiber Optic Terminal (FOT) equipment specifications, you can adjust the transmission amount using an optical attenuator.

13. Patchcord Storage

Store the patchcord slack in the storage spool leaving enough cord for FOT equipment connection.

After splicing, direct remaining cords through spools and arrange them properly considering bending radius. If the storage space is not large enough, use SJOF-FDF-RM-12S to store excessive cords.

Note: One SJOF-FDF-RM-12S can store cords up to 120m (12 cords 10m)

14. Completion of Work

Pull out the patch cords toward the system through the reserved holes.

After the completion, push the module back into the main body.

Record the splicing list on the card attached on the front door. Check splicing, routing, storage and system status before starting the operation.

Note: Multi pigtail assemblies should be arranged by the color. Panel A: blue, orange, green, red, yellow and violet. Panel B: brown, black, white, gray, aqua and pink.

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