SC Fast Connector

Introduction
The Fast Connector (Field Assembly Connector or Field terminated fiber connector, quickly assembly Fiber connector) is a revolutionary field installable optical fiber connector that requires no epoxy and no polishing. The unique design of the patented mechanical splice body incorporates a factory-mounted fiber stub and a pre-polished ceramic ferrule. Using this onsite assembly optical connector, it is possible to improve the flexibility of optical wiring design as well as reducing the time required for fiber termination. The Fast connector series are already a popular solution for optical wiring inside buildings and floors for LAN & CCTV applications and FTTH.

Features
- Quick and convenient assemble
- Precise mechanical dimensions
- Fast connecting and repeat, No special tools needed when installed

Specifications

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Value/Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>IL (Insertion Loss)</td>
<td>PC/UPC≤0.2dB, APC≤0.3dB</td>
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<tr>
<td>RL (Return Loss)</td>
<td>PC/UPC≥50dB, APC≥60dB</td>
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<tr>
<td>Fiber Mode</td>
<td>Single mode</td>
</tr>
<tr>
<td>Connector Type</td>
<td>SC</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-40~85℃</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>&gt;20N</td>
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Field assembly guide

**SC/PC-A2301**
Fast Connector Assemble Instruction

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**Assemble Instruction**

Thank you for using our products. In order to assemble the fast connector correctly, please read this instruction before assembly.

- This product is suitable for OM4 OM3 50/125um and 62.5\textmu m core fiber.
- Installation environment must be suitable conditions.
- Please assemble according to the instruction to assemble the fast connector.
- This product does not include the tools, please take them by yourself.

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1. **Tools**
   - Fiber cutter
   - Jacket Stripper
   - Coating Stripper

2. **Fast Connector Assemble Prepare**

3. **Insert the boot into cable**

4. **Cut and reserve 10MM bare fiber by fiber cleave and then make sure the total length of fiber is 30MM**

5. **Insert the fiber from bottom until the stopper and make fiber present Micro bend**

6. **Hold the cable and fiber keep the fiber micro bend**
   - Press the press cover make sure bare fiber tightly

7. **Screw the boot, put on housing, assemble finished**

8. **Take off the housing, use repeat opener and top the press cover.**

9. **Screw off the boot and pull off fiber**

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