

KOMSHINE GX36/GX37 Compatible Accessory

KOMSHINE Fiber Optic SOC Splice-on Connector and Fiber Holder for GX36/GX37 Fusion Splicers User Manual

Model: GX36/GX37 Compatible Accessories

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1. INTRODUCTION

This manual provides detailed instructions for the proper use, setup, and maintenance of the KOMSHINE Fiber Optic SOC (Splice-on Connector) and Fiber Holder. These accessories are specifically designed for compatibility with KOMSHINE GX36 and GX37 series optical fiber fusion splicers, facilitating efficient and reliable fiber optic splicing operations, particularly for SC type connectors.

Understanding the contents of this manual will ensure optimal performance and longevity of your KOMSHINE accessories.

2. PACKAGE CONTENTS

Verify that all items are present and undamaged upon unpacking. If any items are missing or damaged, contact your supplier immediately.

- One (1) Pair of KOMSHINE Fiber Optic SOC Splice-on Connectors / Fiber Holders (SC Type)



Figure 1: A pair of KOMSHINE Fiber Optic SOC Splice-on Connectors / Fiber Holders, designed for secure fiber placement during fusion splicing.

3. PRODUCT OVERVIEW

The KOMSHINE Fiber Optic SOC Splice-on Connector and Fiber Holder are precision-engineered components designed to securely hold optical fibers and SC type splice-on connectors during the fusion splicing process. They ensure accurate alignment and stability, which are critical for achieving low-loss splices.

Key Features:

- **Compatibility:** Specifically designed for KOMSHINE GX36 and GX37 fusion splicers.
- **Secure Holding:** Provides stable clamping for optical fibers and SC type splice-on connectors.
- **Precision Alignment:** Aids in accurate fiber alignment for optimal splicing results.
- **Durable Construction:** Manufactured for reliability and long-term use in demanding environments.



Figure 2: Side view illustrating the design of the fiber holder, showing the clamping mechanism for securing the fiber or connector.

4. SETUP

Before using the fiber holders, ensure your KOMSHINE GX36 or GX37 fusion splicer is powered off and disconnected from any power source. Handle the fiber holders with care to avoid damage to the precision surfaces.

1. **Inspect the Holders:** Visually inspect both fiber holders for any signs of damage, dust, or debris. Clean if necessary using a lint-free cloth and isopropyl alcohol.
2. **Identify Splicer Slots:** Locate the designated fiber holder slots on your KOMSHINE GX36 or GX37 fusion splicer. These are typically on either side of the splicing area.
3. **Insert Holders:** Gently slide each fiber holder into its respective slot on the fusion splicer. Ensure they are seated firmly and correctly. The holders are designed for a specific fit; do not force them into place.
4. **Verify Stability:** Once inserted, gently attempt to wiggle the holders to confirm they are stable and do not move excessively. Proper seating is crucial for accurate fiber alignment during splicing.

The fiber holders are now ready for use with your fusion splicer.

5. OPERATING INSTRUCTIONS

These fiber holders are integral to the fusion splicing process when using SC type splice-on connectors. Follow the general operating procedures of your KOMSHINE GX36/GX37 fusion splicer, incorporating these steps for fiber and connector preparation.

1. Prepare the Fiber:

- Strip the fiber optic cable to the required length, exposing the bare fiber.
- Clean the bare fiber thoroughly with a lint-free wipe soaked in isopropyl alcohol.
- Cleave the fiber using a precision fiber cleaver to achieve a clean, perpendicular end face.

2. Place Fiber in Holder:

- Open the clamp on one of the fiber holders.
- Carefully place the prepared fiber into the V-groove of the holder, ensuring the cleaved end is positioned correctly for splicing.
- Close the clamp to secure the fiber without excessive pressure.

3. Prepare the SC Splice-on Connector:

- Disassemble the SC splice-on connector according to its specific instructions, exposing the internal fiber stub.
- Clean and cleave the fiber stub within the connector if necessary, following the connector manufacturer's guidelines.

4. Place Connector in Holder:

- Open the clamp on the second fiber holder.
- Carefully place the prepared SC splice-on connector into the V-groove, ensuring its fiber stub is aligned for splicing.
- Close the clamp to secure the connector.

5. Perform Fusion Splicing:

- Place both fiber holders, with the fiber and connector secured, into the fusion splicer's alignment mechanism.

- Follow the fusion splicer's on-screen instructions to perform the splicing process. The splicer will automatically align the fibers and execute the fusion splice.

6. Post-Splicing:

- After the splice is complete and the splicer indicates success, carefully open the clamps on the fiber holders.
- Remove the spliced fiber and connector.
- Proceed with heat shrinking or securing the splice protection sleeve as per the SC connector's instructions.

6. MAINTENANCE

Proper maintenance of your fiber holders ensures consistent performance and extends their lifespan.

- **Cleaning:** Regularly inspect the V-grooves and clamping surfaces for dust, fiber debris, or other contaminants. Use a lint-free cloth moistened with isopropyl alcohol to gently clean these areas. Avoid abrasive materials that could scratch the surfaces.
- **Storage:** When not in use, store the fiber holders in a clean, dry, and dust-free environment, preferably in their original packaging or a protective case.
- **Inspection:** Periodically check for any signs of wear, deformation, or damage to the clamping mechanism. If significant wear or damage is observed, replacement may be necessary to maintain splicing accuracy.

7. TROUBLESHOOTING

If you encounter issues during splicing that may be related to the fiber holders, consider the following:

| Problem | Possible Cause | Solution |
|---|---|---|
| High splice loss or poor alignment | <ul style="list-style-type: none"> ◦ Dust or debris in V-grooves ◦ Improper fiber placement ◦ Damaged fiber holder | <ul style="list-style-type: none"> ◦ Clean V-grooves thoroughly. ◦ Re-seat fiber/connector carefully. ◦ Inspect holder for damage; replace if necessary. |
| Fiber not securely held | <ul style="list-style-type: none"> ◦ Clamp not fully closed ◦ Debris preventing full closure ◦ Worn clamping mechanism | <ul style="list-style-type: none"> ◦ Ensure clamp is fully engaged. ◦ Clean clamping surfaces. ◦ Replace holder if mechanism is worn. |
| Difficulty inserting holders into splicer | <ul style="list-style-type: none"> ◦ Misalignment with splicer slots ◦ Debris in splicer slots or on holder base | <ul style="list-style-type: none"> ◦ Ensure correct orientation and gentle insertion. ◦ Clean both splicer slots and holder base. |

For issues not covered here, refer to your KOMSHINE GX36/GX37 fusion splicer manual or contact KOMSHINE technical support.

8. SPECIFICATIONS

- **Product Type:** Fiber Optic SOC Splice-on Connector / Fiber Holder
- **Compatibility:** KOMSHINE GX36, KOMSHINE GX37 Fusion Splicers
- **Connector Type Supported:** SC (Splice-on Connector)
- **Material:** Precision-machined metal and durable polymer
- **Color:** Black (as per product specifications)
- **Quantity:** One pair (two units)

9. SUPPORT



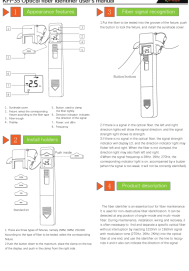
For technical assistance, product inquiries, or warranty information, please contact KOMSHINE customer support through their official website or your local distributor. Please have your product model information ready when contacting support.


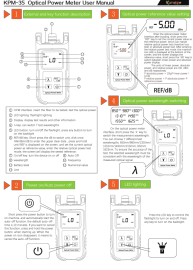

Manufacturer: Komshine Technologies Limited

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Related Documents - GX36/GX37 Compatible Accessory

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|  <p>Komshine FX39 Soudureuse Fibre Optique</p> | <p>Komshine FX39 Fiber Optic Fusion Splicer: Features, Specs, and Performance</p> <p>Explore the Komshine FX39, a high-performance fiber optic fusion splicer. Discover its rapid splicing (6s), low loss (0.01dB), durable design, 7800mAh battery, and advanced alignment technologies.</p> |
|  <p>Komshine FX39 Trunk Optical Fiber Fusion Splicer</p> | <p>KomShine FX39 Trunk Optical Fiber Fusion Splicer - High-Speed Splicing and Heating</p> <p>Discover the KomShine FX39, a powerful trunk optical fiber fusion splicer featuring 6-second fast splicing, 16-second rapid heating, and an average splice loss of 0.01dB. Learn about its durable design, high-definition LCD display, and 7800mAh battery.</p> |
|  <p>KFI-35 Optical Fiber Identifier user's manual</p> | <p>Komshine KFI-35 Optical Fiber Identifier User Manual</p> <p>User manual for the Komshine KFI-35 Optical Fiber Identifier, detailing its features, product parameters, usage instructions, and safety tips for fiber maintenance.</p> |

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|  <p>The image shows the Komshine KIP-600V Fiber Optic Connector Inspection System. It features a handheld device with a 3.5-inch HD LCD display and a 400x magnification lens. The device is shown being used to inspect a fiber optic connector. The background is a blurred image of a fiber optic patch panel.</p> | <p>Komshine KIP-600V Fiber Optic Connector Inspection System</p> <p>Komshine KIP-600V is a fiber optic connector inspection system featuring a 400x magnification, 3.5-inch HD LCD display, and a 4000mAh battery for up to 20 hours of standby time. It supports real-time video recording and playback via TF card, and is compatible with various connector types including FC, SC, ST, and LC.</p> |
|  <p>The image shows the cover of the Komshine KPM-35 Optical Power Meter User Manual. It features a diagram of the power meter and a list of features. The background is a blurred image of a fiber optic patch panel.</p> | <p>Komshine KPM-35 Optical Power Meter User Manual</p> <p>Comprehensive user manual for the Komshine KPM-35 Optical Power Meter, covering its features, functions, calibration, troubleshooting, product parameters, and usage tips for optical fiber network projects.</p> |
|  <p>The image shows the cover of the Komshine QX43 FTTx-OTDR Quick Guide. It features a diagram of the OTDR and a list of features. The background is a blurred image of a fiber optic patch panel.</p> | <p>Komshine QX43 FTTx-OTDR Quick Guide - Optical Time-Domain Reflectometer</p> <p>Concise guide to the Komshine QX43 FTTx-OTDR, covering its features, test setup, curve manipulation, event list, file management, and event type meanings for optical fiber testing.</p> |