

How to wire the fiber optic panel module

Article Overview

Wiring a fiber optic panel module involves careful mounting, cable preparation, connector termination, and organized routing to ensure signal integrity and safety.

Step 1: Mount the Module

Begin by securing the fiber optic module to its mounting bracket (e.g., COM-BRK) using the screws provided. Then attach the bracket to the back box or mounting plate (CAB-1, CAB-2, CAB-3, or optional CAB-MP) using the supplied screws. Ensure the module is installed in a dry environment and away from sharp edges or internal components that could damage the fibers ().

Step 2: Prepare the Fiber Cables

- Measure and mark the outer sheath of the fiber cable at the designated points for distribution and termination.
- Carefully remove the outer sheath and clean the fibers as needed. Avoid touching bare fibers to prevent contamination or damage ().
- Temporarily coil the fibers loosely to prevent stress or bending beyond the minimum bend radius ().

Step 3: Connectors and Splicing

- Identify the type of connectors required (LC, SC, ST, MTP/MPO) and ensure compatibility with the panel module ().
- For modules with splice trays, arrange and secure fibers in the tray before splicing...

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INSTALLATION GUIDE

See Figure 1 and 2 to prepare the fiber cables properly. Make a mark on the outer/distribution sheath at a point “A” from the end of

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