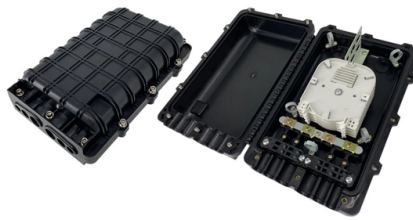


# Which connector should the fiber optic cable be plugged into



## AI Overview

Fiber optic cable connectors should be plugged into compatible ports on devices such as routers, switches, transceivers, or patch panels, ensuring proper alignment and secure locking.

### Identifying the Correct Port

Fiber optic connectors come in various types, including LC, SC, ST, and MTP/MPO, each with a specific port design. Before plugging in the cable, ensure the connector type matches the port on your device. For example, LC connectors use a latch mechanism, SC connectors use a push-pull latch, and ST connectors use a bayonet twist-lock mechanism, so the connector must align with the port's locking system to ensure a secure connection .

### Connecting to Devices

- Routers and Switches: Insert the fiber optic connector into the designated fiber port on the device. The port is usually labeled as “Fiber,” “SFP,” or “Optical”. Push the connector gently until it clicks or locks in place .
- Transceivers: Fiber optic transceivers convert optical signals to electrical signals. Insert the connector into the transceiver's port, ensuring the fiber core aligns with the transceiver's optical interface .
- Patch Panels: For structured cabling, fiber connectors are plugged into the patch panel ports, which organize multiple fiber connections. Ensure the connector is fully seated and locked to prevent signal loss ....

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During the installation at the point where the fiber cable has to be plugged and/or

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## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://ntmmgroup.co.za>

Email: [sales@ntmmgroup.co.za](mailto:sales@ntmmgroup.co.za)

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town,  
7441, South Africa

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