Fiber Loopbacks

Overview

w-Ignite™ Fiber Loopbacks are designed for precise and efficient port testing across data center, telecom, and network applications. Built to meet or exceed industry standards, they provide a controlled optical return path to validate transmit and receive signal integrity during equipment or board-level testing.

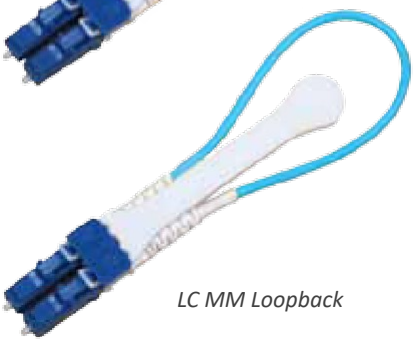
Compact and durable, these loopbacks ensure reliable port diagnostics where transceivers are installed. By looping the signal from the source back to the device, they simplify system verification, troubleshooting, and network commissioning, ensuring consistent performance and easy maintenance in real-world conditions.



LC SM Loopback



LC SM Hardshell Loopback



LC MM Loopback



LC MM Hardshell Loopback

Features & Benefits

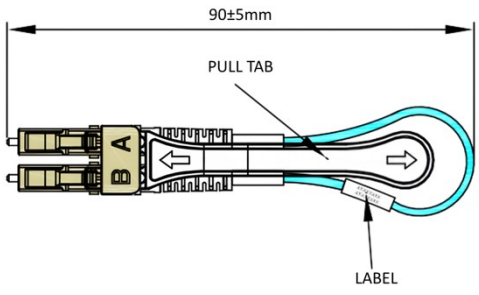
- Compact, rugged design for easy handling
- Molded protective housing for enhanced fiber protection
- Low Insertion Loss (IL) and Low Return Loss (RL) — Single-Mode only
- 100% factory-tested and verified to meet quality standards
- Fiber options: Single-Mode and Multimode (OM1–OM4)
- Fully compliant with Telcordia, EIA/TIA, and IEC standards
- Dual-end labeling (serial number, part number, product name) for easy identification
- Combines TX/RX channels for single-ended network testing
- Enables demarcation points and precise loopback diagnostics

Applications

- TX/RX single-ended network testing
- Network troubleshooting and validation
- System burn-in and diagnostic testing
- Demarcation point simulation for maintenance

Loopback Diagrams

LC MM Loopback



LC Hardshell Loopback

