



General Description

Loopback patch cords are diagnostic tools used for testing and troubleshooting optical network equipment. By routing the transmit signal back to the receiver, loopback cords allow technicians to verify the functionality and performance of network ports, transceivers, and fiber interfaces without requiring a remote device. They are widely used in R&D labs, manufacturing, and field testing environments to simulate network connections in a compact and repeatable manner.

Loopback cords are available in **Single-Mode** and **Multi-Mode** versions, supporting popular connector types such as **SC**, **LC**, and **MPO**.

Features:

- Ideal for **network diagnostics and testing**
- Available in **Single-Mode** and **Multi-Mode** versions
- Connector types: **SC**, **LC**, **MPO**
- Low insertion and high return loss for accurate testing
- Compact design suitable for lab, factory, and field use
- Excellent **repeatability** and **exchangeability**
- Supports a wide operating and storage temperature range

Main Characteristics

Parameter	Single-Mode	Multi-Mode
Connector Types	SC, LC, MPO	SC, LC, MPO
Insertion Loss	≤ 0.3 dB (PC)	≤ 0.3 dB (PC)
Return Loss	≥ 50 dB (UPC), ≥ 60 dB (APC)	≥ 35 dB (PC)
Exchangeability	≤ 0.2 dB	≤ 0.2 dB
Repeatability	≤ 0.2 dB	≤ 0.2 dB
Operating Temp.	-20 °C to +75 °C	-20 °C to +75 °C
Storage Temp.	-40 °C to +85 °C	-40 °C to +85 °C

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