Data Sheet

Fiber Connections Inc.
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OTDR Launch Boxes

Fiber Connections' OTDR Launch Boxes and Portable Launch Cords provide a calibrated span of optical fiber to evaluate near-end connectors and anomalies in network fiber systems. The Launch Box or Portable Launch Cord is placed between the system under test and an OTDR (Optical Time Domain Reflectometer) to improve the OTDR's ability to identify passive system components and abnormalities at the near end, during system qualification and troubleshooting.

APPLICATIONS

- OTDR Launch Fiber Equipment Calibration
- Research and Development Reference
- Fiber LAN Installation Certification
- Product Demonstrations
- Custom Training Aid
- Network System Simulation of Loss, Length and Time Delay

Full-Featured Design Offers Maximum Protection & Versatility
Our full-featured Launch Box design stores both the optical fiber and access connectors in a lightweight, rugged transit case that protects the sensitive optical components against harsh outside environments. For long haul testing, Fiber Connections' Launch Boxes are capable of holding single-mode or multimode fiber lengths up to 25km.

The Portable Launch Cord is a compact, lightweight unit, capable of holding up to 500 meters of cable. Custom lengths and various connector styles are available.

ORDERING INFORMATION

Connector A			
CP	SC	LP	LC
CU	SCupc	LU	LCupc
CZ	SCapc	LZ	LC apc
FP	FC	SP	ST polybody
FU	FCupc	SU	ST poly upc
FZ	FCapc		

Fiber Count	
1	1 Fiber
2	2 Fiber

Length in Meters

LX □ □□ □□ □ – XXX

Fiber Type	
1	62.5/125 µm OM1
2	Single-mode OS2
3	50/125 µm OM2
9	50/125 µm 10 GbE 300m OM3

Connector B			
CP	SC	LP	LC
CU	SCupc	LU	LCupc
CZ	SCapc	LZ	LC apc
FP	FC	SP	ST polybody
FU	FCupc	SU	ST poly upc
FZ	FCapc		

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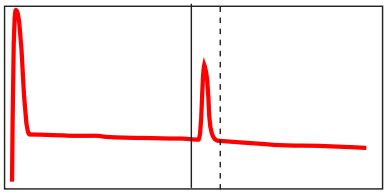
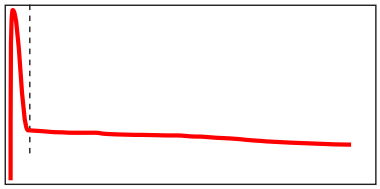
Get the Whole Picture

An OTDR's inability to "see" near-end fiber optic connectors at the patch panel, severely reduces the effectiveness of testing efforts. This is due to the relatively slow recovery time of laser pulses reflecting off the OTDR bulkhead connector and subsequently being displayed on the monitor. Using a properly calibrated length of fiber with high quality components as a test lead can solve the problem. This is accomplished by increasing the number of displayed backscatter data points via the launch fiber prior to the first connector pair. A reflective pulse on the OTDR screen then properly depicts the patch panel connection or any source of loss close to the end of the fiber under test.



OTDR Trace with Launch Fiber
Allows Measurement of Patch Panel Connector



OTDR Trace without Launch Fiber
Limits Near End Visibility of Connectors

GENERAL SPECIFICATIONS

Fiber Types: Single-mode, Multimode 50/125µm, Multimode 62.5/125µm
Launch Boxes: 23.5x19.7x11.4cm; 1.8kg
Launch Cords Case: 15.25cm x15.5cm x 2.6cm; 0.2kg
Temperature Range: -40° to 50° C
Humidity: 0 to 95%
Max Fibers per Unit: 2
Connector Type: FC, SC, ST, LC, FCapc, SCapc, LCapc, MTRJ, (others available upon request)
Unit Colour: Black, (others available upon request)

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