



## Applications

- OTDR Launch Cable/Lead
- Equipment Calibration
- System emulation of loss, length, time delay and reflectance

## Features / Benefits

- Use as a Pulse Suppressor, OTDR Launch Cable, Delay Line, Training, Product Demonstrations, Calibration
- Prevents fiber damage and stress during use or transportation
- Rugged light weight carry case
- Portable for field use
- Custom length configurations available for OTDR applications
- Comply with ISO/IEC 14763-32006 optical link testing standards by using a DZE® launch and receive lead at the end of each link
- Fiber lengths up to 5000 meters

## Series 5 DZE® OTDR Launch Box

The DZE® OTDR Launch Cable is designed to aid in the testing of fiber optic cable when using an OTDR to help minimize the effects of the OTDR's launch pulse on measurement uncertainty. Using a DZE® launch cable at the beginning of the fiber under test and a DZE® receive cable at the end of the fiber under test allows the ability to perform loss measurements on entire length of the fiber.

Units are available in any length up to 5 km and housed in a compact rugged carry case. Simply specify the fiber type required, length and connector choice for the input and output lead. Standard lead length is 2 meters.



**fiberplus international**  
Fiber Optic Connectivity Solutions

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## ■ Specifications

### ■ Series 5 DZE® OTDR Launch Cable

Dimensions	Length: 8.7", Width: 7.5", Height: 3.9"
Fiber length (m)	150, 300, 500, 1000, 1500, 5000 (max) *Other lengths available
Fiber types	Singlemode 9/125, Multimode 62.5/125, Multimode 50/125 OM2, Multimode 50/125 OM3
Lead length	2 Meters, 3mm buffer
Connector insertion loss	<0.3 dB typical, <0.5 dB max
Connector reflectance	UPC: <-55 dB, APC: <-65 dB
Mating reliability	<.2 dB
Connector geometries	All connectors meet or exceed Telcordia GR-326 Core Specification
Storage temp.	-40° to +85° C
Operating temp.	-40° to +85° C
Humidity	0 to 95%, non-condensing
Weight	1.5 lbs (w/out fiber)
Warranty	1-year (Warranty covers any manufacturing defects. Connector and lead replacement due to use are not covered under warranty.)

### Optical Specifications

Fiber Type	Wavelength	Typical attenuation
Singlemode 9/125 µm (OS1)	1310 nm & 1550 nm	0.35 dB/km & 0.20 dB/km
Multimode 62.5/125 µm (OM1)	850 nm & 1300 nm	2.9 dB/km & 0.60 dB/km
Multimode 50/125 µm (OM2/OM3)	850 nm & 1300 nm	2.3 dB/km & 0.60 dB/km

- Please note: All launch cable spools are OTDR tested at 1625nm for macro/micro bends thus eliminating unnecessary OTDR events.

## ■ Part Number Table

The Series 5 DZE® Launch Box is available with Singlemode 9/125, Multimode 62.5/125, Multimode 50/125 OM2 and Multimode 50/125 OM3 fiber. The diagram shown below displays the part number template for ordering. Please choose the **Connector Code** for the leads (input and output), **Fiber Code** for the type of fiber you require and the **Length** (in meters). For example, a 1000 meter singlemode unit with FC connectors on both leads would be D511-S1000. Standard lead length is 2 meters.

**D5**    **Lead 1**    **Lead 2**    **Fiber**    **Length / Meters**

### \*Connector Styles/Codes for leads:

1 - FC  
2 - ST®  
3 - SC  
4 - FC/APC  
5 - SC/APC

7 - LC  
X - LC/APC  
Y - E2000  
Z - E2000/APC

### Fiber:

S - Singlemode  
M - Multimode 62.5/125  
B - Multimode 50/125 OM2  
C - Multimode 50/125 OM3



\* All connectors are standards compliant reference connectors, machined polished with ceramic ferrules and interferometer tested.

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