

## 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/Receive Cable, Delay Line, Training, Product Demonstrations, Calibration
- Leads wrap in the same direction for quick easy access and storage
- Carabiner Clip included allows unit to be attached to lanyards, equipment straps, belts and racks
- Light weight, easy to carry, small/low profile design portable for field use
- Fiber lengths up to 2000 meters
- Comply with ISO/IEC 14763-32006 optical link testing standards by using a DZE® launch and receive lead at the end of each link
- Custom length configurations also available



## Series 3 DZE® OTDR Launch Cable

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.

The light weight unit measures only 6.25" in diameter and 1.25" high and includes a carabiner clip allowing the unit to be easily attached to belts, equipment straps and rack mounts. Units are available in any length up to 2000 meters with a choice of a variety of connectors in order to connect to virtually all OTDR and patch panel ports.



## ■ Specifications

### ■ Series 3 DZE® OTDR Launch Cable

Dimensions	Diameter: 6.25" (158.75mm), Height 1.25" (31.75mm)
Fiber length (m)	150, 300, 500, 1000 *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 (dB)	<0.25 dB typical, <0.5 dB max
Connector Return Loss (dB)	UPC: -50 dB (min), APC: -60 dB (min)
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	5 oz (0.31 lb)
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 DZE® 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, **Fiber Code** for the type of fiber you require and the **Length** (in meters). For example, a 1000 meter singlemode unit with SC/UPC connectors on both leads would be D333-S1000.

**D3**    **-**    **-**    **-**    **-**

Lead 1    Lead 2    Fiber    Length / Meters

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

1 - FC	7 - LC
2 - ST®	X - LC/APC
3 - SC	Y - E2000
4 - FC/APC	Z - E2000/APC
5 - SC/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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