DIAMOND
Fiber Optic Equipments

INSPECTION EQUIPMENTS

Launch Fiber

GENERAL DESCRIPTION

In optical technology, OTDR measuring devices are used in many applications. They enable extensive characterization of existing fiber optic cabling networks. It is advantageous to use launch fiber to ensure precise measurements. When measuring bi-directional backscattering with launch fiber, the attenuation values of the first and the last connections can be accurately determined.
Manufacturers of measuring devices recommend different lengths for launch fiber in order to avoid so-called "ghost reflections". The launch fiber box is also subject to surveillance of the measuring method and should therefore regularly be revised according to the OTDR-measuring devices. Good measurement results strongly depend on the condition and the quality of the measuring equipment. Diamond offers two types of lunch fiber boxes; one for telecom standard connectors, and the other for revos E-2000 and HE-2000™ outdoor connectors for harsh environments.

Launch fiber box for telecom connectors

CASE CONFIGURATION FOR TELECOM CONNECTORS AND FOR OUTDOOR CONNECTORS

For the use in harsh environments and the daily use in the field, DIAMOND offers Black launch fiber boxes.

- Compact two-part shock-resistent plastic case
  305 x 270 x 144 mm Weight 2.8 Kg
- IP 67 case when closed
- Can accomodate up to 4 fiber rings of 1000 m
- Fibers are coiled without mechanical tension, and are secured with a strain Relief
- Labelling for fiber specification
- The outstanding fiber ends have a length of 2,5 m and are protected by a Ø 3 mm hollow cable

Launch fiber box for revos E-2000

Each case contains a service booklet, which includes basic optical data of the chosen fibers as well as the OTDR-measurements and the ferrule front face measurements at the time of delivery.
Further, cleaning instructions for connectors and connector front faces, as well as a carrying strap for the case are included.

Launch fiber box for HE-2000™

SERVICE PLAN

It is the user's responsibility to establish quality inspection guidelines which should include routine inspection and maintenance of installed connectors. DIAMOND recommends to plan an inspection of the connector front faces and a measurement of the fiber at least every 6 months, as foreseen in the standard DIN EN ISO 9000:2000 for the surveillance of inspection means.
DIAMOND offers an optional service plan which includes regular and documented inspection of the case.
As part of the DIAMOND optional service plan, the connectors will be newly terminated and measured. The measurements include IL-measurements in two wavelengths.
The case can be sent to Diamond Headquarters for internal revisions in the factory.

Service booklet

DIAMOND SA I Via dei Patrizi 5 I CH-6616 Losone - Switzerland
Tel. +41 58 307 45 45 I e-mail info@diamond-fo.com

www.diamond-fo.com

Specifications subject to change without notice

BDD 1951041 12_18

TECHNICAL SPECIFICATIONS

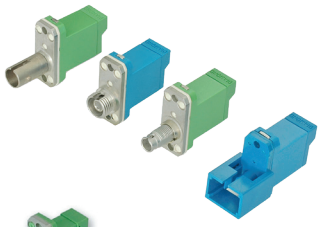
Terminable connector systems: E-2000™ 0,1dB, F-3000™, SC, DIN, FC, ST and others upon request.

Fibertypes:		
	Singlemode 9/125 µm (G.652.D)	Standard length 1000 m
	Multimode 62.5/125 um (OM1)	Standard length 100 m
	Multimode 50/125 um (OM2)	Standard length 100 m
	Multimode 50/125 um (OM3)	Standard length 100 m
	Multimode 50/125 um (OM4)	Standard length 100 m

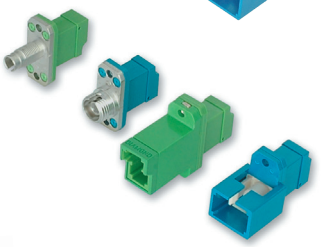
Other lengths upon request.

OPTIONAL MEASURING ACCESSORIES

E-2000™ Hybrid Adapters:
E-2000™ / LSA
E-2000™ / SC
E-2000™ / FC
E-2000™ / ST™



F-3000™ Hybrid Adapters:
F-3000™ / LSA
F-3000™ / SC
F-3000™ / FC
F-3000™ / E-2000™



E-2000™ UGT adapter APC 8° / PC 0°

ORDER CONFIRMATION

Launch fiber box type: ❑ Telecom ❑ revos E-2000 ❑ HE-2000™

1. Fiber type 1	2. Fiber type 2
Fiber type: ❑ 9 / 125 SM ❑ 62.5 / 125 MM ❑ 50 / 125 MM ❑ others _____	Fiber type: ❑ 9 / 125 SM ❑ 62.5 / 125 MM ❑ 50 / 125 MM ❑ others _____
Fiber length: _____ m Connector type 1.1 _____ Connector type 1.2 _____	Fiber length: _____ m Connector type 2.1 _____ Connector type 2.2 _____
3. Fiber type 3	**4. Fiber type 4**
Fiber type: ❑ 9 / 125 SM ❑ 62.5 / 125 MM ❑ 50 / 125 MM ❑ others _____	Fiber type: ❑ 9 / 125 SM ❑ 62.5 / 125 MM ❑ 50 / 125 MM ❑ others _____
Fiber length: _____ m Connector type 3.1 _____ Connector type 3.2 _____	Fiber length: _____ m Connector type 4.1 _____ Connector type 4.2 _____

Please choose the appropriate case and the desired fiber types, as well as the connector types and polishing 0°PC / 8°APC. (also for the outdoor types integrated in the cases).
Note: For the measuring of optical lines that begin/end with an HE-2000™ or revos E-2000 BULKHEAD, an additional male/male connector must be ordered.

NOTE: - Please contact your local DIAMOND representative for additional information.