

DIAMOND

Fiber Optic Components

Fiber Optic DiaLink-Saver

Patent Pending

SINGLE MODE APC
MULTIMODE PC

CABLE ASSEMBLIES AND ADAPTERS

DIAMOND's revolutionary Fiber Optic DiaLink-Saver is a breakaway coupling device (1,25mm ferrule) designed to separate a fiber optic channel when subjected to a sudden pull force. The separated line can then be easily reconnected without tools or the need for skilled labor.

The Fiber Optic DiaLink-Saver is further designed to protect the fiber end-faces at the disconnect point so they can be remated without cleaning. A specially-designed protective cap (optional) includes a pulling eye to allow the DiaLink-Saver to be pulled through cable channels or ducts.

FEATURES

- ▶ Provides link protection at vulnerable break points, for example between Optical Termination Outlet (OTO) and setup box for FTTH applications
- ▶ Low-profile design
- ▶ Easily remated, without tools or need for skilled labor
- ▶ Protects fiber endfaces; remateable without cleaning after disconnect
- ▶ Available for all MM and SM fibers, and for cables with 2.7-3.0mm OD (other diameters are available upon request)
- ▶ Available with all standard connector types
- ▶ Optional protective cap with pulling eye

AVAILABLE AS

- ▶ DiaLink-Saver assembly with or without connectors A & B

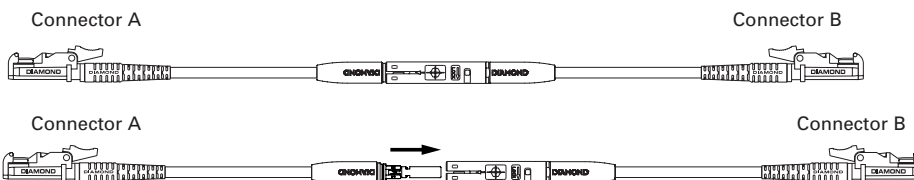


Fig. 1 Connected DiaLink-Saver
Fig. 2 Disconnected DiaLink-Saver



Optional protection cap with pulling eye

SPECIFICATIONS

	MULTIMODE 0° PC	SINGLE MODE 8° APC	UNITS	TEST CONDITIONS
Insertion Loss (IL)*	typ. 0.2 max 0.5	typ. 0.2 max 0.5	dB	IEC 61300-3-4; λ = 1300/1550nm
Return Loss (RL)*	min. 40	min. 70*	dB	IEC 61300-3-6; λ = 1550nm
Repeatability of IL	max± 0.1		dB	IEC 61300-2-2; λ = 1300/1550nm
Service life	500 mate/demate cycles			IEC 61300-2-2
Operating temperature	-40/+85**		°C	

* Measured with high precision reflectometer
** May be further limited by cable specifications

- ▶ DiaLink-Saver release (disconnection): at 20-25N
- ▶ Cable retention for protection cap with pulling eye: at 100N



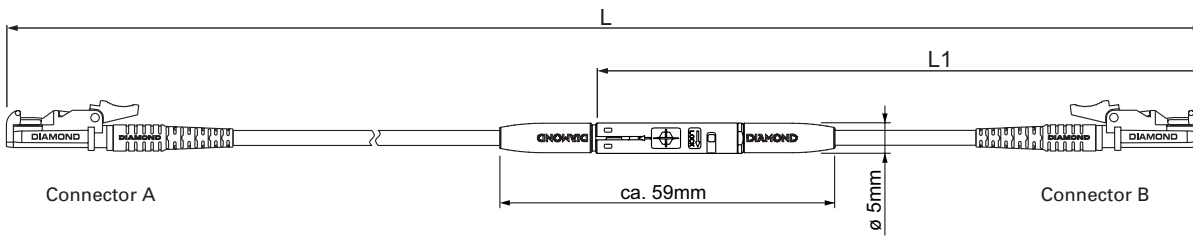
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Specifications subject to change
without notice

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ORDER INFORMATION



CONNECTOR A	CABLE	CONNECTOR B
Connector type*	Cable lengths	Connector type*
<input type="checkbox"/> E-2000® <input type="checkbox"/> F-3000® <input type="checkbox"/> FC <input type="checkbox"/> SC <input type="checkbox"/> ST™ <input type="checkbox"/> Without connector <input type="checkbox"/> _____	Length L (m): _____ Length L1 (m): _____ Note: - for an ideal OTO protection, the recommended length L1 is 0,25m.	<input type="checkbox"/> E-2000® <input type="checkbox"/> F-3000® <input type="checkbox"/> FC <input type="checkbox"/> SC <input type="checkbox"/> ST™ <input type="checkbox"/> Without connector <input type="checkbox"/> _____
	Cable type	
<input type="checkbox"/> 0° PC <input type="checkbox"/> 8° APC	<input type="checkbox"/> SM 9/125/245/900/2900 - G.652.D <input type="checkbox"/> SM 9/125/245/900/2700 - G.657.B3 <input type="checkbox"/> Customer cables**	<input type="checkbox"/> 0° PC <input type="checkbox"/> 8° APC
Notes: _____ _____		
Delivery condition: (see drawings below)	<input type="checkbox"/> Connected <input type="checkbox"/> Disconnected	

* Connector colors according to DIAMOND standard configuration. Other colors are available upon request.

** Customer cables can be used only after DIAMOND validations.

Form of delivery

DiaLink-Saver connected

