

Optimark

Fiber Optics



Model OPT SF-1

Fiber Optic Connector

Insertion/Extraction Tool

“Skinny Fingers”

Description:

Fiber optic system installations often have densely-packed patch panels. Although they are space-efficient, these patch panel arrays often make simple insertion and extraction of individual connectors difficult, if not nearly impossible. When small form-factor connectors (e.g. LCs) are involved, these difficulties are exacerbated.

The Optimark OPT SF-1 Fiber Optic Connector Insertion/Extraction Tool is capable of reaching into very tight spaces to perform these tasks. It has been designed to work with virtually all rectangular or square cross-section connectors, providing a positive grip on a connector without crimping adjacent fibers.

Specifications	
Compatible connectors	LC, MU, SC, E-2000, MT-RJ, and most other rectangular- or square-cross-section fiber-optic connectors.
Materials of construction	BASF Ultramid® 8223G*, with stainless steel strength members in the tips and pivot point, a stainless steel return spring, and stainless steel nut and bolt.
Flammability rating, 1.5mm	UL94 HB
Durability	Tested to 1000 insertions/extractions without degradation of performance.
Dimensions	See Figure 1.
Special design features	Ergonomic handles; non-crimp jaws (prevent crimping of fibers, even in densely-packed spaces — see Figure 2).

*Ultramid 8223G is a 33% glass-fiber-reinforced nylon 6 injection-molding compound offering excellent strength, stiffness, high temperature performance, and dimensional stability.

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Note: General thickness is 0.5", tapering from this figure at the pivot point to 0.1875" at the tips.

Figure 1: OPT SF-1 Dimensions



Figure 2: OPT SF-1 Gripping an LC Connector in a Dense Array
(Note that the tips provide positive grip on the connector and release tab while not crimping fiber optic cables or connector boots.)

The Model OPT SF-1 Fiber Optic Connector Inserter/Extractor is designed to work with virtually any type of press-to-insert connector, with* or without** a release lever.

* e.g. LC
** e.g. SC

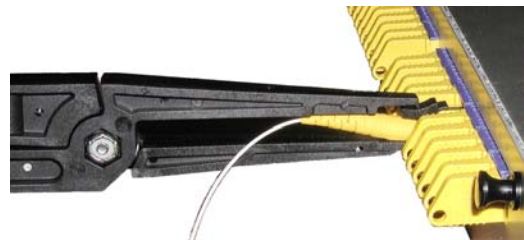


Figure 3: OPT SF-1 Gripping an E-2000 Connector

The OPT SF-1 is distributed worldwide exclusively by:

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Revision 20040721