



## Features & Benefits

- Complete kits for fiber optic terminations
- Kits for most industry standard connectors
- Quick and consistent terminations
- Unique tools support Molex practices
  - Curing oven with individually timed nests
  - Precision cleave tool - controlled fiber lengths
  - Constant pressure polishing tool

The true measure of a fiber optic connector's performance is in the terminated state. For this reason, Molex has expended a great deal of engineering talent and resources developing the termination processes and tooling required to terminate fiber optic connectors. The result of this effort is a unique set of tools and procedures for quick, reliable and consistent terminations.

The Molex termination tool kit provides all the tools necessary to terminate a variety of industry standard fiber optic connectors. Packaged in a durable carrying case, the kit contains the necessary polishing pads, stripping and crimping tools and enough consumables to terminate approximately 50 connectors. Additionally, the kit contains a unique curing oven, cleave tool and polishing fixture for repeatable results with minimal training.

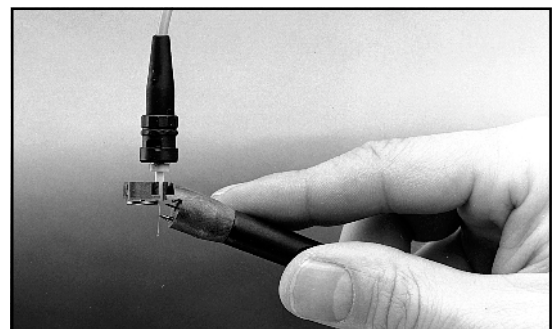
### Curing Oven

The Molex curing oven is designed to maximize operator output by eliminating the need for batch curing. It has either 6 (simplex connectors) or 2 (duplex connectors) independently controlled cavities and a curing cycle of 5 minutes. A connector placed in a cavity activates a timer in that cavity which then signals the completion of a curing cycle by lighting a red LED and sounding a buzzer.



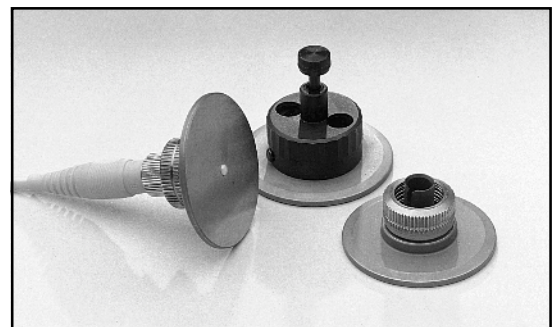
### Cleave Tool

The Molex cleave tool is designed to repeatedly and accurately cleave the fiber at a controlled length just above the surface of the ferrule. This eliminates the need for a bead of epoxy and extensive operator training. The result is a substantial reduction in polishing time and a significant improvement in production yield.



### Polishing Fixture

Consistent and repeatable PC (physical contact) terminations are easily achieved with the constant pressure Molex polishing tool. The fixture incorporates a spring loaded nest that provides uniform downward pressure on the ferrule tip. With this feature, operator variability is virtually eliminated.



## Standard Part Numbers

Order Number	Description
86710-0000	ST* termination tool kit with 110V curing oven
86711-0000	ST termination tool kit with 220V curing oven
86713-0000	STII <sup>†</sup> termination tool kit with 110V curing oven
86714-0000	STII termination tool kit with 220V curing oven
86753-0000	FC termination tool kit with 110V curing oven
86754-0000	FC termination tool kit with 220V curing oven
86763-0000	SC termination tool kit with 110V curing oven
86764-0000	SC termination tool kit with 220V curing oven
86755-0000	FC, APC termination tool kit with 110V curing oven
86756-0000	FC, APC termination tool kit with 220V curing oven
86765-0000	SC, APC termination tool kit with 110V curing oven
86766-0000	SC, APC termination tool kit with 220V curing oven
86720-0000	SMA termination tool kit with 110V curing oven
86721-0000	SMA termination tool kit with 220V curing oven
86730-0000	FDDI termination tool kit with 110V curing oven
86731-0000	FDDI termination tool kit with 220V curing oven
86740-0000	ESCON <sup>‡</sup> termination tool kit with 110V curing oven
86741-0000	ESCON termination tool kit with 220V curing oven

\*ST is a trademark of Lucent Technologies

†STII is a trademark of Lucent Technologies

‡ESCON is a registered trademark of International Business Machines Corporation

## Kit Contents

### Kit Contents for ST, STII, FC, SC, FC/APC, SC/APC & SMA

Order Number	Description	ST	STII	FC	SC	FC/APC	SC/APC	SMA
86710-4000	Oven, 6 position, 110V	1	1	1	1	1	1	1
86711-4000	Oven, 6 position, 220V	§	§	§	§	§	§	§
86710-0001	Alcohol bottle with pump dispenser	1	1	1	1	1	1	1
86710-0002	No nick stripper	1	1	1	1	1	1	1
86710-0003	Jacket stripper	1	1	1	1	1	1	1
86710-0005	KEVLAR** and cable cutters	1	1	1	1	1	1	1
86710-0006	Cable preparation template	1	1	1	1	1	1	1
86710-0010	Tool case	1	1	1	1	1	1	1
86710-0007	Polishing pad - gray	1	1	1	1	1	1	-
86710-0030	Microscope - 100X	1	1	1	1	1	1	-
86713-3030	Jacket splitting tool	-	1	1	1	1	1	-
86710-0040	Glass polishing plate	1	1	-	-	-	-	1
86710-5100	Consumable replacement kit - FC/SC	-	-	1	1	1	1	-
86753-2000	Universal cleave tool	1	1	1	1	-	-	-
86757-3500	Curing fixture - 900µm fiber	-	-	6	6	6	6	-
86710-0008	Termination procedure - ST, SMA	1	-	-	-	-	-	1
86710-0046	Polishing pad - red	-	-	1	1	1	1	-
86710-5000	Consumable replacement kit	1	1	-	-	-	-	1
86720-0001	Polishing pad - black	1	1	-	-	-	-	1
86710-0004	Loose tube strippers	1	-	-	-	-	-	1
86710-1000	Polishing tool - ST	1	1	-	-	-	-	-
86710-5200	Crimp tool - ST	1	-	-	-	-	-	1
86750-3010	Holder - for FC boot assembly	-	-	1	-	1	-	-
86753-0002	Termination procedure - FC 1 piece	-	-	1	-	1	-	-
86753-0003	Termination procedure - FC 1 piece, 900µm	-	-	1	-	1	-	-
86753-3530	Boot insertion tool - 900µm	-	-	1	-	1	-	-
86753-5000	Crimp tool - FC 1 piece	-	-	1	-	1	-	-
86755-1000	Polishing tool - FC/APC	-	-	-	-	1	-	-
86755-2000	Cleave tool - FC/APC & SC/APC	-	-	-	-	1	1	-
86760-5000	Crimp tool - SC 1 piece	-	-	-	1	-	1	-
86763-0001	Termination procedure - SC 1 piece	-	-	-	1	-	1	-
86763-0002	Termination procedure - SC 1 piece, 900µm	-	-	-	1	-	1	-
86710-3010	Holder - for ST assembly	1	-	-	-	-	-	-
86713-0001	Termination procedure - STII	-	1	-	-	-	-	-
86713-3010	Holder - STII	-	1	-	-	-	-	-
86713-5200	Crimp tool - STII	-	1	-	-	-	-	-
86750-1000	Polishing tool - FC	-	-	1	-	-	-	-
86763-1000	Polishing tool - SC	-	-	-	1	-	-	-
86765-1000	Polishing tool - SC/APC	-	-	-	-	-	1	-
86720-0030	Microscope assembly, SMA	-	-	-	-	-	-	1
86720-1000	Polishing tool - SMA	-	-	-	-	-	-	1
86720-2000	Cleave tool - SMA	-	-	-	-	-	-	1
86720-3000	Assembly tool - SMA	-	-	-	-	-	-	1

§Replaces 86710-4000 in the 220 V kits

\*\*KEVLAR is a registered trademark of E. I. duPont de Nemours & Co., Inc.

## Kit Contents

### Kit Contents for FDDI & ESCON

Order Number	Description	FDDI	ESCON
86730-4000	FDDI oven, 2 position, 110V	1	1
86731-4000	FDDI oven, 2 position, 220V	§	§
86710-0001	Alcohol bottle with pump dispenser	1	1
86710-0002	No nick stripper	1	1
86710-0003	Jacket stripper	1	1
86710-0004	Loose tube stripper	1	1
86710-0005	KEVLAR and cable cutters	1	1
86710-0006	Cable preparation template	1	1
86710-0007	Polishing pad - gray	1	1
86710-0010	Tool case	1	1
86710-0030	Microscope - 100X	1	1
86710-0040	Glass polishing plate	1	1
86710-5000	Consumable replacement kit	1	1
86730-1000	Polishing tool - FDDI	1	1
86730-3010	Holder - for assembly of insert tubing	1	1
86730-5000	Crimp tool - FDDI, (A&B round cable)	1	1
86730-5014	Crimp die set - zipcord cable	1	1
86753-2000	Universal cleave tool	1	10
86001-0011	Termination procedure - FDDI	1	-
86730-3000	Assembly fixture - FDDI	2	-
86740-0001	Termination procedure - ESCON	-	1
86740-3000	Assembly fixture - ESCON	-	2

§Replaces 86730-4000 in the 220V kits

### Contents of Consumable Kit

Order Number	Description	86710-5000	86710-5100
86710-0006	Cable preparation template	1	1
86710-0019	Loctite 411 - 3 grams	1	1
86710-0021	Plastic box	1	1
86710-0022	Lens cleaning tissue, 50 sheets	1	1
86710-0024	Epoxy packs	10	10
86710-0025	Lapping film, 5 micron	10	10
86710-0026	Lapping film, 1 micron	25	25
86710-0027	Lapping film, .5 micron	25	25
86951-0001	Syringe, 3cc	10	10
86951-0002	Needle - round	10	-
86710-6151	Lapping film #7, 3" by 4"	-	25
86951-0011	Needle - oval	-	10