



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.

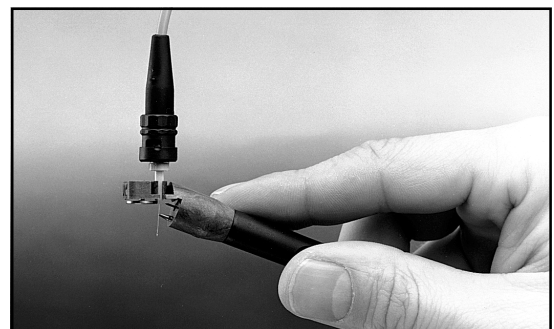
Curing Oven

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.



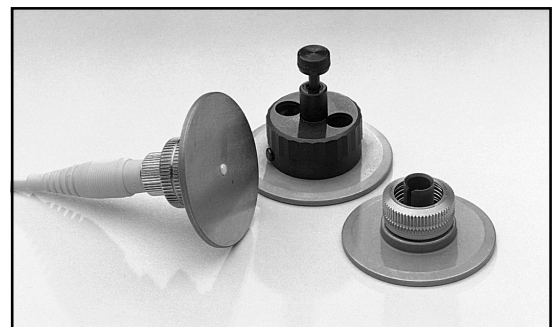
Cleave Tool

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 [†] 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 [‡] 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