

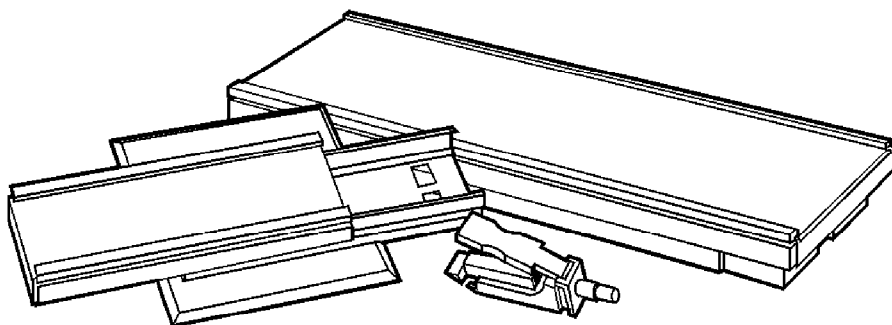


# BLACK BOX<sup>®</sup>

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Black Box Corporation.

The Source for Connectivity<sup>SM</sup>

## Fiber Termination Modules



*Now anyone can terminate fiberoptic cables like a professional. You get low-loss, secure termination—every time.*

*With the Fiber Termination Modules (FTMs) and storage units, terminating fiberoptic cables is a snap.*

### Key Features

- ▶ *No messy glue, no fiber polishing.*
- ▶ *Secure fiber splicing—just insert your fiber and press the actuator lever.*
- ▶ *The unique Fibrlok optical fiber splice clicks solidly—you can hear and feel the splice.*
- ▶ *Terminates your cables to female ST-type bayonet connectors.*
- ▶ *FDDI compatible.*

### Overview

**F**iber Termination Modules (FTMs) make terminating your fiberoptic cables quick and easy.

Not too long ago it took a highly trained fiberoptic technician to handle the messy glues and polishing required for fiber termination. You had no choice but to pay an expert to do the job.

Now, with a little practice, anyone can terminate a cable with little or no signal loss.

Just strip and cleave the cable end that you want to terminate, leaving about half an inch of bare fiber. No glue, no polishing. Then insert the fiber into the alignment groove of a Fiber Termination Module until the colored fiber in the FTM is contacted (see the diagram on the other side of this page). Then press the actuator lever down on the

Fibrlok™ splice until it clicks and—voilà!—you've successfully terminated your cable. It's that simple.

Signal loss from an FTM splice is typically 0.4 dB at the 1300-nanometer wavelength, with a maximum of 0.6 dB—well within the range for a good splice. And multiple reconnections along a cable run don't sacrifice your system performance.

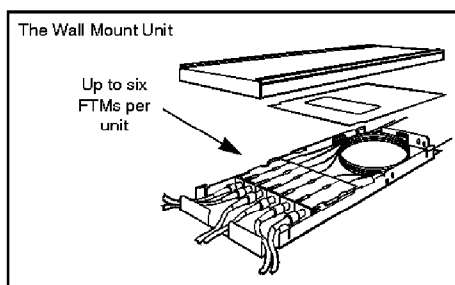
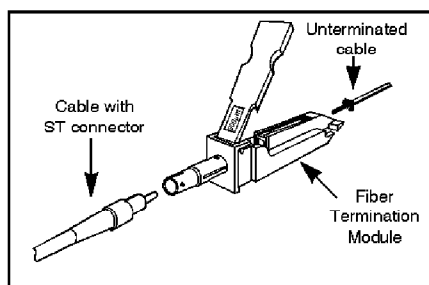
Once terminated, your cable is ready to attach to a standard ST-type bayonet

connector. And Fiber Termination Modules are compatible with Fiber Distributed Data Interface (FDDI) systems, so they can be used in the most advanced fiberoptic networks.

### Typical Applications

*You're ready to connect your fiberoptic equipment to the cables already run throughout your building. You avoid the cost of a professional fiber installer by doing it in-house, with Fiber Termination Modules.*

Just clean, cleave, and clamp to terminate your cable. Up to six modules fit securely in each Wall Mount Unit.



### Technically Speaking

- ◆ FTMs are constructed of impact-resistant plastic. So they protect your splice from damage in crowded workstation sites, and within patch panels and fiber distribution units.
- ◆ For protection, your terminated cables store inside either the Wall Mount Unit (for six FTMs) or the Station Outlet (for two FTMs). Both attach to a wall in your office to keep out of harm's way and conserve your work space.
- ◆ The FTMs automatically compensate for cable diameter variations, and require no tuning or adjustment after clamping.
- ◆ Each FTM tilts up from its position in the Wall Mount Unit and Station Outlet, to provide plenty of finger clearance and avoid disturbing adjacent FTMs.
- ◆ FTMs are manufactured with PC zirconia ferules to provide a clean, long-lasting crimp for your fiberoptic cable.
- ◆ Excess cable coils up inside storage units to further protect your splice.

### The Complete Package

What you get when you order Fiber Termination Modules.

- ◆ **FO001** — (1) 62.5-micron fiber termination module, installation manual
- ◆ **FO002** — (1) 50-micron fiber termination module, installation manual
- ◆ **WP600** — (1) Two-port station outlet, (2) mounting screws, (2) cable ties, (2) self-tapping screws, installation manual
- ◆ **WP601** — (1) Six-port wall mount unit, (2) mounting screws, (2) cable ties, (2) self-tapping screws, installation manual

### Additional equipment you may need

- ◆ If you need a quick and easy way to measure the continuity of your fiberoptic cable, try our Pocket Fiber Tester (TS051A).
- ◆ For other fiberoptic devices like repeaters, hubs, tools, modems, and multiplexors, contact our expert technical support staff.

### For these and other components...

Call our expert Technical Support Staff for all your LAN needs. They'll help you find the best equipment for your application.

### Specifications

#### Fiber Termination Modules

<b>Signal loss per splice</b> — Maximum: 0.6 dB; typical: 0.4 dB	<b>Mating durability</b> — 500 cycles per FOTP 21
<b>Connector</b> — (1) female ST receptacle	<b>Operating temperature</b> — -40° F to 176° F (-40° to 80° C)
<b>Fiber core sizes terminated</b> — FO001: 62.5/125/900; FO002: 50/125/900	<b>Size</b> — WP600: 6"L x 3"W x 1.1"D (15.2 x 7.6 x 2.8 cm); WP601: 13.4"L x 4.7"W x 1.1"D (34 x 11.9 x 2.8 cm)
<b>Fiber retention</b> — greater than 0.8 lb.	

## Ordering Information

This information will help you place your order quickly.

PRODUCT NAME	ORDER CODE
Fiber Termination Module 62.5 micron .....	FO001
Fiber Termination Module 50 micron .....	FO002
Two-Port Fiber Optic Station Outlet.....	WP600
Six-Port Fiber Optic Wall Mount Unit.....	WP601