

## Fiber Adapters



**FIB-327ST**

ST/ST Simplex  
Fiber optic inline splice  
Includes bulkhead hardware for panel mount



**FIB-327SC**

SC/SC Simplex  
Fiber optic inline splice  
Module for panel mount



**FIB-327D-SC**

SC/SC Duplex Fiber optic inline  
splice Module for panel mount



**FIB-327D-ST**

ST/ST Duplex Fiber optic inline  
splice Module for panel mount



**FIB-327D-LC**

LC/LC Duplex  
Fiber optic inline splice  
Module for panel mount



**FIB-327D-STSC**

ST/SC Duplex Fiber optic inline  
splice Module for panel moun



**FIB-327-MTRJ**

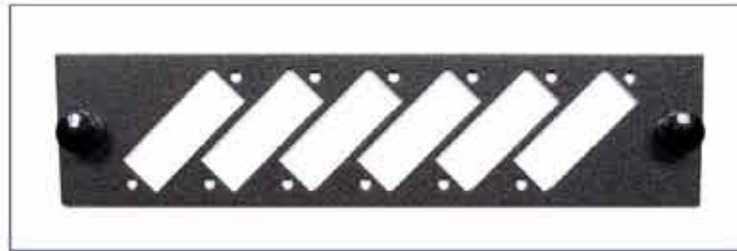
MTRJ/MTRJ  
Fiber optic inline splice  
Module for panel mount

## Fiber Panels

### FIB-BK006D-SCBK

6 port plate for SC and ST/SC duplex fiber optic feed thru.

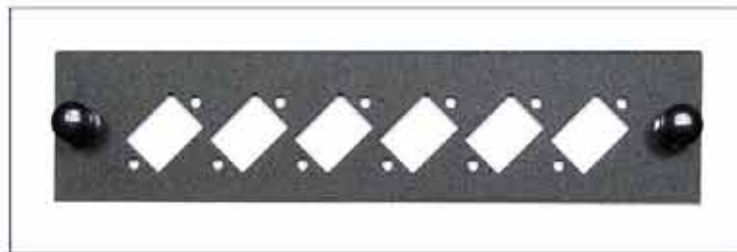
For use with our  
FIB-327D-STSC  
FIB-327D-SC



### FIB-BK006SC-BK

6 port plate for SC Simplex, MTRJ and LC fiber optic feed thru

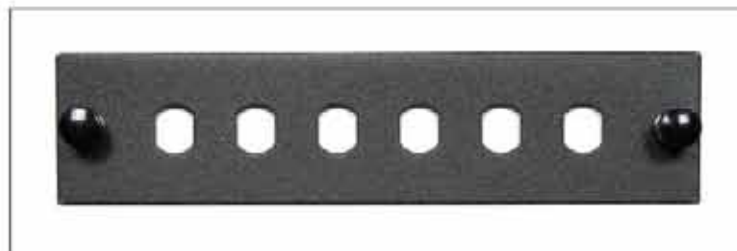
For use with our  
FIB-327SC  
FIB-327D-LC  
FIB-327D-MTRJ



### FIB-BK006ST-BK

6 port plate for ST fiber optic feed thru.

For use with our  
FIB-327ST



### FIB-BK001BK

Blank plate.



### FIB-BK006MTRJ

6 port plate for SC Simplex, MTRJ and LC fiber optic feed thru with vertical ports  
For use with our

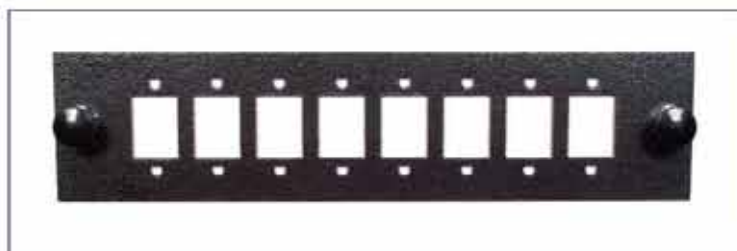
FIB-327SC  
FIB-327D-LC  
FIB-327-MTRJ



### FIB-BK006LC

6 port plate for SC Simplex, MTRJ and LC fiber optic feed thru with vertical ports  
For use with our

FIB-327SC  
FIB-327D-LC  
FIB-327D-MTRJ



## Loaded Fiber Panels

### FIB-006D-SC

Loaded 6 port plate with Duplex SC-SC fiber optic feed thru's.



### FIB-006D-SC/ST

Loaded 6 port plate with Duplex SC-ST fiber optic feed thru's.



### FIB-006ST

Loaded 6 port plate with ST fiber optic feed thru's.



### FIB-006SC

Loaded 6 port plate with SC fiber optic feed thru's.



### FIB-006D-LC

Loaded 6 port plate with Duplex LC-LC fiber optic feed thru's. Same place can come loaded with MTRJ-MTRJ and Simplex SC-SC fiber optic feed thru's.



FIB-006D-LC 6 Port mLoaded Duplex LC-LC  
 FIB-006MTRJ 6 Port Loaded MTRJ-MTRJ  
 FIB-006-SC 6 Port Loaded Simplex SC-SC

### FIB-006-MTRJ

Loaded 6 port plate with Duplex LC-LC fiber optic feed thru's. Same piece can come loaded with MTRJ-MTRJ and Simplex SC-SC fiber optic feed thru's.



FIB-006D-LC 6 Port mLoaded Duplex LC-LC  
 FIB-006MTRJ 6 Port Loaded MTRJ-MTRJ  
 FIB-006-SC 6 Port Loaded Simplex SC-SC

## Fiber Enclosures

### FIB-WM012

#### Fiber Wall Mount Distribution Enclosures

This wall mount panel accepts the modules listed on the following page.

**FIB-WM012X** 2 Panel Wall Mount Enclosure  
12"H x 10"W x 3.5"D

**FIB-WM024X** 4 Panel Wall Mount Enclosure  
10.5"H x 11.5"W x 3.25"D



### FIB-RM012

#### Fiber Rack Mount Distribution Enclosures

This Rack mount panel accepts the modules listed on the following page.

**FIB-RM012** 2 Panel Rack Mount 1.5"H 16"W 9.5"D  
**FIB-RM024** 4 Panel Rack Mount 3"H 16"W 9.5"D  
**FIB-RM036X** 6 Panel Rack Mount 3.5"H 17"W 12.14"D  
**FIB-RM072X** 12 Panel Rack Mount 6.5"H 16"W 12.5"D



### FIB-WM006LP

Low profile surface mount fiber enclosure. Unit comes unloaded. Use any Weltron fiber module to load.

**FIB-WM006LP** Single panel Wall mount Enclosure  
8.25"H x 5.75"W x 1"D



## ST / SC Fiber Jumpers

### ST/ST Fiber Optic Patch Cable

	MM 62.5/125M	MM 50/125M	SM 9/125M
1 Meter	90-2000-1M	90-2100-1M	90-1000-1M
2 Meter	90-2000-2M	90-2100-2M	90-1000-2M
3 Meter	90-2000-3M	90-2100-3M	90-1000-3M
5 Meter	90-2000-5M	90-2100-5M	90-1000-5M
7 Meter	90-2000-7M	90-2100-7M	90-1000-7M
10 Meter	90-2000-10M	90-2100-10M	90-1000-10M
15 Meter	90-2000-15M	90-2100-15M	90-1000-15M

MM - Multi Mode  
SM - Single Mode



### ST/SC Fiber Optic Patch Cable

	MM 62.5/125M	MM 50/125M	SM 9/125M
1 Meter	90-2001-1M	90-2101-1M	90-1001-1M
2 Meter	90-2001-2M	90-2101-2M	90-1001-2M
3 Meter	90-2001-3M	90-2101-3M	90-1001-3M
5 Meter	90-2001-5M	90-2101-5M	90-1001-5M
7 Meter	90-2001-7M	90-2101-7M	90-1001-7M
10 Meter	90-2001-10M	90-2101-10M	90-1001-10M
15 Meter	90-2001-15M	90-2101-15M	90-1001-15M

MM - Multi Mode  
SM - Single Mode



### SC/SC Fiber Optic Patch Cable

	MM 62.5/125M	MM 50/125M	SM 9/125M
1 Meter	90-2002-1M	90-2102-1M	90-1002-1M
2 Meter	90-2002-2M	90-2102-2M	90-1002-2M
3 Meter	90-2002-3M	90-2102-3M	90-1002-3M
5 Meter	90-2002-5M	90-2102-5M	90-1002-5M
7 Meter	90-2002-7M	90-2102-7M	90-1002-7M
10 Meter	90-2002-10M	90-2102-10M	90-1002-10M
15 Meter	90-2002-15M	90-2102-15M	90-1002-15M

MM - Multi Mode  
SM - Single Mode



## MTRJ Fiber Jumpers

### MTRJ/MTRJ Fiber Optic Patch Cable

	62.5/125 Micron	50/125Micron
1 Meter	90-7000-1M	90-7100-1M
2 Meter	90-7000-2M	90-7100-2M
3 Meter	90-7000-3M	90-7100-3M
5 Meter	90-7000-5M	90-7100-5M
7 Meter	90-7000-7M	90-7100-7M
10 Meter	90-7000-10M	90-7100-10M
15 Meter	90-7000-15M	90-7100-15M



### MTRJ/ST Fiber Optic Patch Cable

	62.5/125 Micron	50/125Micron	SM 9/125M
1 Meter	90-7001-1M	90-7101-1M	90-8001-5M
2 Meter	90-7001-2M	90-7101-2M	90-8001-10M
3 Meter	90-7001-3M	90-7101-3M	
5 Meter	90-7001-5M	90-7101-5M	
7 Meter	90-7001-7M	90-7101-7M	
10 Meter	90-7001-10M	90-7101-10M	
15 Meter	90-7001-15M	90-7101-15M	



### MTRJ/SC Fiber Optic Patch Cable

	62.5/125 Micron	50/125Micron
1 Meter	90-7002-1M	90-7102-1M
2 Meter	90-7002-2M	90-7102-2M
3 Meter	90-7002-3M	90-7102-3M
5 Meter	90-7002-5M	90-7102-5M
7 Meter	90-7002-7M	90-7102-7M
10 Meter	90-7002-10M	90-7102-10M
15 Meter	90-7002-15M	90-7102-15M



## LC Fiber Jumpers Multi-Mode

### LC/LC Fiber Optic Patch Cable

	MM 62.5/125M	MM 50/125M
1 Meter	90-5000-1M	90-5100-1M
2 Meter	90-5000-2M	90-5100-2M
3 Meter	90-5000-3M	90-5100-3M
5 Meter	90-5000-5M	90-5100-5M
7 Meter	90-5000-7M	90-5100-7M
10 Meter	90-5000-10M	90-5100-10M
15 Meter	90-5000-15M	90-5100-15M



### LC/ST Fiber Optic Patch Cable

	62.5/125 Micron	50/125Micron
1 Meter	90-5001-1M	90-5101-1M
2 Meter	90-5001-2M	90-5101-2M
3 Meter	90-5001-3M	90-5101-3M
5 Meter	90-5001-5M	90-5101-5M
7 Meter	90-5001-7M	90-5101-7M
10 Meter	90-5001-10M	90-5101-10M
15 Meter	90-5001-15M	90-5101-15M



### LC/SC Fiber Optic Patch Cable

	62.5/125 Micron	50/125Micron
1 Meter	90-5002-1M	90-5102-1M
2 Meter	90-5002-2M	90-5102-2M
3 Meter	90-5002-3M	90-5102-3M
5 Meter	90-5002-5M	90-5102-5M
7 Meter	90-5002-7M	90-5102-7M
10 Meter	90-5002-10M	90-5102-10M
15 Meter	90-5002-15M	90-5102-15M



Custom cables available. Please ask your sales Representative.

## LC Fiber Jumpers Single Mode

### LC/LC Fiber Optic Patch Cable

1 Meter	90-1005-1M
2 Meter	90-1005-2M
3 Meter	90-1005-3M
5 Meter	90-1005-5M
7 Meter	90-1005-7M
10 Meter	90-1005-10M
15 Meter	90-1005-15M



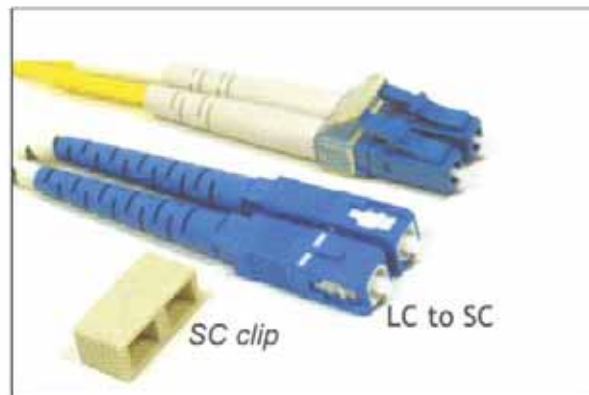
### LC/ST Fiber Optic Patch Cable

1 Meter	90-1501-1M
2 Meter	90-1501-2M
3 Meter	90-1501-3M
5 Meter	90-1501-4M
7 Meter	90-1501-5M
10 Meter	90-1501-10M
15 Meter	90-1501-15M
25 Meter	90-1501-25M



### LC/SC Fiber Optic Patch Cable

1 Meter	90-1502-1M
2 Meter	90-1502-2M
3 Meter	90-1502-3M
5 Meter	90-1502-5M
7 Meter	90-1502-10M
10 Meter	90-5102-10M
15 Meter	90-5102-15M



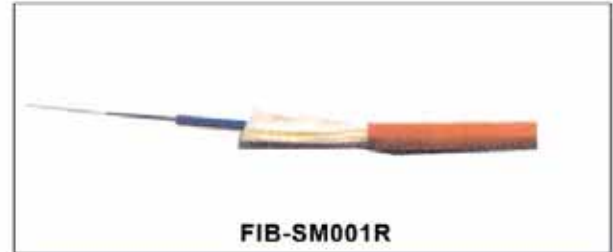
Custom cables available. Please ask your sales Representative.

## Fiber Optical Bulk Cable

**Fiber Optics Single Mode & Multimode Cables** All the fiber optic cable we offer meets or exceeds the requirements of FDDI, ANSI X37' 9.5 PMD FOR 62.5/125. It is available in simplex, duplex, breakout and FDDI constructions.

### Simplex Fiber

MODEL #	DESCRIPTION
FIB-SM001R	Single Mode, 8.3/125 Riser
FIB-SM001P	Single Mode, 8.3/125 Plenum
FIB-MM001R	Multimode Riser
FIB-MM001P	Multimode Plenum



FIB-SM001R

### Duplex Fiber Zip Cord

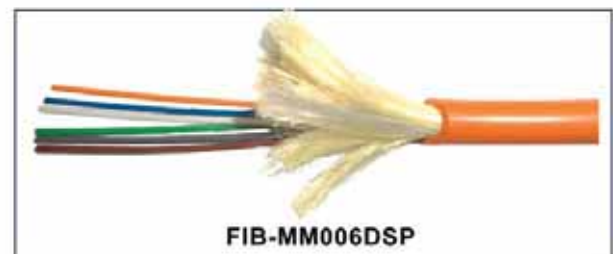
MODEL #	DESCRIPTION
FIB-SM002R	Single Mode, 8.3/125 Riser
FIB-SM002P	Single Mode, 8.3/125 Plenum
FIB-MM002R	Multimode Riser 6 2.5/125
FIB-MM002P	Multimode Plenum 6 2.5/125



FIB-SM002R

### Distribution Type

MODEL #	DESCRIPTION
FIB-SM004DSR	Single Mode, 4 Strand Riser
FIB-SM004DSP	Single Mode, 4 Strand Plenum
FIB-MM004DSR	Multimode, 4 Strand Riser
FIB-MM004DSP	Multimode, 4 Strand Plenum
FIB-MM006DSR	Multimode, 6 Strand Riser
FIB-MM006DSP	Multimode, 6 Strand Plenum
FIB-MM008DSR	Multimode, 8 Strand Riser
FIB-MM008DSP	Multimode, 8 Strand Plenum
FIB-MM012DSR	Multimode, 12 Strand Riser
FIB-MM012DSP	Multimode, 12 Strand Plenum



FIB-MM006DSP

### Loose Tube For Direct Burial

MODEL #	DESCRIPTION
FIB-MM004DB	4 Strand, 62.5/125 Multimode
FIB-MM006DB	6 Strand, 62.5/125 Multimode
FIB-MM008DB	8 Strand, 62.5/125 Multimode
FIB-MM012DB	12 Strand, 62.5/125 Multimode



FIB-MM012DB

# Fiber Optical Connectors

## Non-Polished Connectors

Non-polish connectors are pre-polished, field installable connectors that eliminate the need for hand polishing in the field. Non-polish connectors provide an immediate termination to either single-mode or multimode fibers. Non-polish connectors feature a pre-stubbed factory-polished ferrule that couples to the fiber being terminated by precision mechanical alignment, insuring low loss with a proprietary gel. Each non-polish connector comes with a factory-installed wedge clip that holds the clamping device open while the fiber is inserted. Once the fiber is in place, the wedge clip is removed and discarded.

FIB-290-STNP  
FIB-290-SCNP

ST Style, Non-Polish  
SC Style, Non-Polish



FIB-290-SCNP



FIB-290-STNP

### FAST-ST Connector Termination Kit

Instructions & Assembly Manual

CS001200 FAST Tool Kit w/ 92208-T8 Multimode Cleaver  
CS001201 FAST Tool Kit w/ CT-30A Universal Cleaver

11. Slide the boot up to engage over the top of the connector body.

12. Apply the connector housing onto the assembly from the front.

Complete!

Note: Dust cap over female should remain in place until ready to insert connector.



#### FAST Connector Tool Kit Contents

- Fiber Stripper
- Strippers
- Lens-Free cloth wipes
- Fiber prep fluid
- Marker pen
- Instruction booklet
- Strip Length Imprinter
- Assembly video
- Carrying case
- Cleaver



This manual describes the assembly procedure for applying NPS FAST-ST optical connectors. Please be sure to read this manual carefully before applying the connectors.

**Safety Precautions:** Always wear eye protection when handling optical fibers. Dispose of any cut or cleaned ends properly.

1. Identify the components of the connector kit.



2. Wedge is engaged at alignment. Fit the Section 2 (wedge) against the top and bottom housing that wedge is inserted into. The connector body A-size will be fixed.



3. If using 50µm buffered fiber, remove the protection tubing from the boot. (Step 4, cut the boot of the boot. Slide the boot onto the fiber, strip and trim).



4. Strip the fiber, removing the buffer coating, leaving the fiber longer than the labeled connector length below. It is recommended to strip the fiber with an optical wire stripper to remove any dust or debris.



5. Check fiber for integrity by bending the all-bare end of the fiber slightly. This ensures that you have not damaged it during the stripping step.



6. Clean the fiber to the maximum stated length, depending on whether you use 250µm or 800µm buffer coating.



- Fujikura CT-30A Cleaver is recommended for single-mode or multimode FAST connectors.
- ATL 92208-T8 cleaver is recommended for multimode FAST connectors.



**NOTE:** Due to typical mechanical stripping of tight buffered 50µm fiber, a portion of 250µm coating may remain if this is the case. It should not extend more than 5mm.

7. Insert the cleaned fiber into the rear of the connector. Carefully guide the fiber into position for body opening.



8. Heat the fiber approximately 100mm behind the connector and maintain a slight bend and heat on the fiber. This insures the connector fiber is against the internal fiber. Tuck mark on the fiber should be visible inside the connector body.



9. Maintaining the slight bend on the fiber, release the wedge clip by separating it from the side.



10. Slide the housing piece from the bottom of the wedge unit and remove the wedge from the connector assembly.



## Fiber Optic Connectors & Tools

### Fiber Optic Connectors

Light crimp fiber connectors provide superior quality and performance.

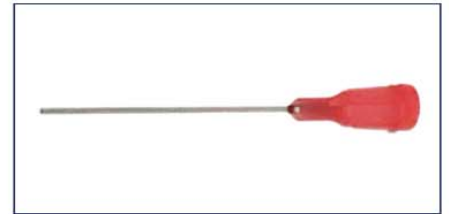
#### MODEL #

FIB-290-STMM	ST Style, Multimode
FIB-290-STSM	ST Style, Single Mode
FIB-290-SCMM	SC Style, Multimode
FIB-290-SCSM	SC Style, Single Mode



### FIB-1.5NDL

Needle For 3405 Adhesive



### FIB-340SAA

OptiLOC 3405 Fiber Optic Anaerobic



### FIB-AP1

Alcohol Pump



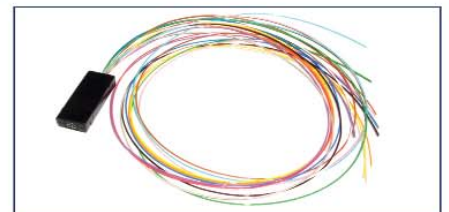
### FIB-AP26ml

OptiLOC FIBER Optic Anaerobic Primer



### Fiber Tube Splitter Kit

FIB-FAN-6	6 Fiber/Tube Splitter Kit
FIB-FAN-12	12 Fiber/Tube Splitter Kit
FIB-FAN-24	24 Fiber/Tube Splitter Kit



### FIB-PSHP-1

Fiber Optic 6x8 Polishing Pad



## Fiber Optic Tools

### FS-103

#### Fiber optic Stripper

Stripper for glass fiber optic with adjustment



### FIB-5511-PW

Lint-Free Wipes - 250 Count



### FIB-KS1

Fiber Optic Kevlar Cutter



### FIB-FS203

#### Fiber Optical Stripper

Strips glass fiber without scratching or nicking glass fiber



### Fiber Optic Testing Kit w/ Printable Results

Highly stabilized  
Rugged & Economical  
Output Power: -10 dBm  
(singlemode sources)  
Output Power: -20 dBm  
(multimode sources)  
CW or modulated output  
Compact Size  
Photodiode Compensated  
Extended Battery Life  
Low Battery Indicator  
NIST Traceable  
Small, hand-held size



**FIB-FC-2550**

### Fiber Checker Pro

Wavelength 650nm FIB-FC-2500 Range: viability up to 3km Easy to check fiber faults with visual red laser light Universal connector for testing different ST, SC, FC, FDDA interface. Test for both single-mode and multi-mode cables Highly effective power circuits allow for stable laser power Operates in both CW & pulse mode 15 hours stable continuous operation LED indicator for power, battery low, a CW/Pulse indicator



**FIB-WTD0850**

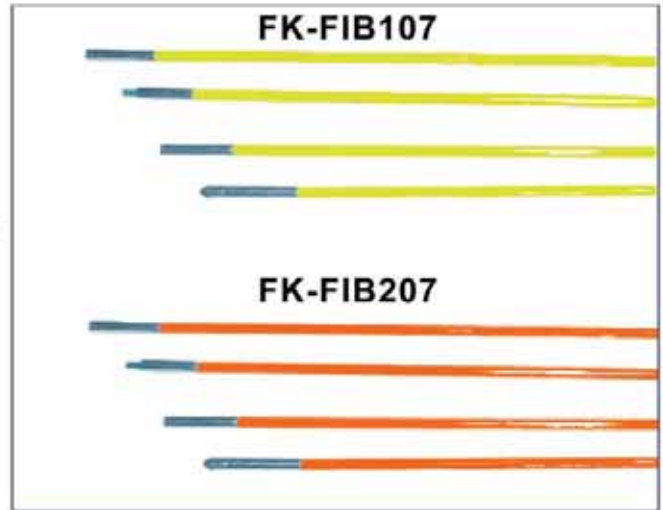
## Fiber Installation Tools

### Fiber Fish

**NON CONDUCTIVE  
EASY TO HANDLE IN TIGHT SPOTS**

The Fiberfish (1/4" yellow rods) and Fiberfish II (3/16" orange rods) are non- conductive fiberglass rods available in 3' or 6' sections. Rods can be screwed together to make longer lengths for fishing wire in existing walls and attics or across drop ceilings. With a variety of attachments\*, they make fishing wire easy!

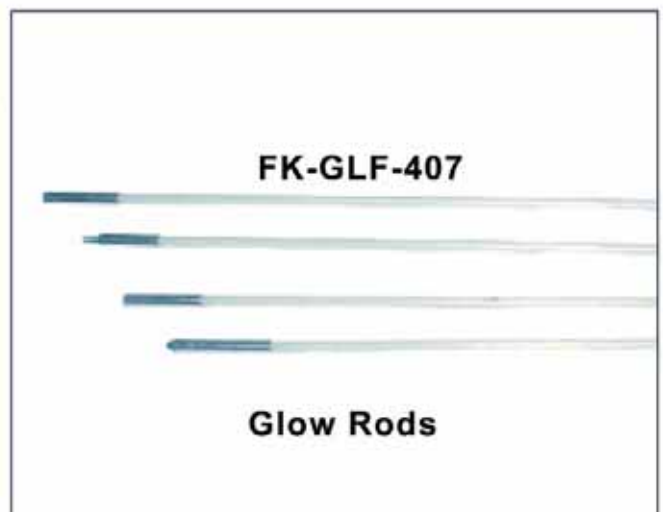
\* "Bullnose" pulling tips included, other attachments sold separately \*



### Fiberfish Glow Rods

The same quality construction and durability you've come to expect from the Fiberfish in a new Glow in the Dark version! These rods actually glow, unlike some competitors, whose rods need an outside light source to "glo". The clear carry case means the rods are always "charged" and ready to go.

Available in 3/16" or super flexible 5/32" diameters.

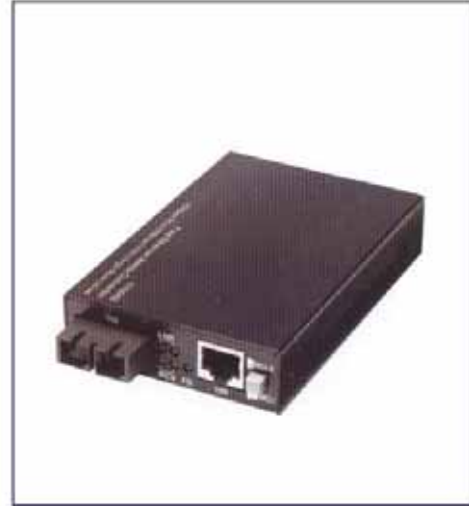


## Media Converters

### Ethernet Media Converter

#### 91-EMCSCSM

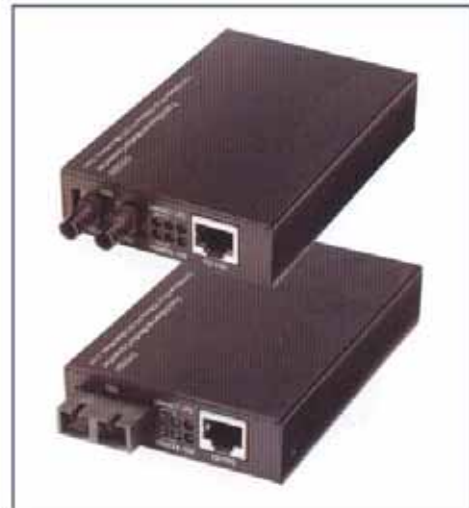
- Converts Ethernet media
- 100Base-TX to 100Base-FX (SC) Single-Mode
- Status LEDs
- External power adapter



### 10/100 Mbps Media Converters

#### 91-EMCSTMM

- Data transfer rate: 100Mbps
- One 10/100Base-TX RJ-45 Port, maximum distance 100m / 300 ft
- RJ-45 port with auto MDI/MDI-X support and auto-negotiation
- One 100Base-FX Multi-Mode fiber ST duplex port
- Fiber distance support: up to 2 km / 1.24mi (62.5/125 or
- Status LEDs for easy monitoring of device status
- Link Fault Signaling (LFS)
- Remote and local loop back test
- DIP switches for multiple configuration options
- External power adapter



### Gigabit Ethernet Media Converters

#### 91-EMGBSCMM

#### 91-EMGBSCSM

- Data transfer rate: 1000Mbps
- 10/100/1000Base-T auto-sensing RJ-45 port, maximum distance 100m / 300 ft. (Cat5e and better)
- RJ-45 port with auto MDI/MDI-X support
- SFP ("Small Form Factor Pluggable") optical transceiver module port (SFP module not included)
- Module port for Gigabit multi-mode or single-mode Mini GBIC 1,25G SEP-type fiber modules
- Status LEDs for power and Link/TX for both parts
- Link Fault Signaling (LFS)
- External power adapters

