

# FIBER ADAPTERS

## SC/SC Duplex Fiber optic inline Coupler Module

SC/SC Duplex Fiber optic inline Coupler Module				
Part #	Type	Sleeve Material	Color	Foot Print
FIB-327D-SC-CR	SC Duplex	Ceramic	Blue	SC Duplex
FIB-327D-SC-PB	SC Duplex	Phosphor Bronze	Blue	SC Duplex



## LC/LC Duplex Fiber optic inline splice Module

LC/LC Duplex Fiber optic inline splice Module				
Part #	Type	Sleeve Material	Color	Foot Print
FIB-327D-LC	LC Duplex	Ceramic	Blue	LC Duplex



## MTRJ/MTRJ Fiber optic inline splice Module

MTRJ/MTRJ Fiber optic inline splice Module				
Part #	Type	Sleeve Material	Color	Foot Print
FIB-327-MTRJ	MTRJ	Ceramic	Black	MTRJ



## ST/ST Simplex Fiber optic inline splice

ST/ST Simplex Fiber optic inline splice				
Part #	Type	Sleeve Material	Color	Foot Print
FIB-327ST-CR	ST Simplex	Ceramic	Chrome	ST Simplex
FIB-327ST-PB	ST Simplex	Phosphor Bronze	Chrome	ST Simplex



## SC/SC Simplex Fiber optic inline splice Module

SC/SC Simplex Fiber optic inline splice Module				
Part #	Type	Sleeve Material	Color	Foot Print
FIB-327SC	SC Simplex	Ceramic	Blue	SC Simplex



## ST/ST Duplex Fiber optic inline splice Module

ST/ST Duplex Fiber optic inline splice Module				
Part #	Type	Sleeve Material	Color	Foot Print
FIB-327D-ST	ST Duplex	Ceramic	Black	ST Duplex



## ST/SC Duplex Fiber optic inline splice Module

ST/SC Duplex Fiber optic inline splice Module				
Part #	Type	Sleeve Material	Color	Foot Print
FIB-327D-STSC	ST Duplex	Ceramic	Blue	SC Duplex



# LOADED & UN-LOADED FIBER PANELS

## Loaded & Un-loaded Fiber Panels

<b>Loaded 6 Port Plate with Duplex SC-SC Fiber Optic Ceramic Couplers</b>	
<b>FIB-006D-SC-CR</b>	Loaded 6 pack 6 port plate with Duplex SC-SC fiber optic ceramic couplers
<b>FIB-006D-SC-PB</b>	Loaded 6 pack 6 port plate with Duplex SC-SC fiber optic phosphor bronze couplers
<b>Loaded 6 Port Plate with ST Fiber Optic Feed Thru's.</b>	
<b>FIB-006ST</b>	Loaded 6 port plate with ST fiber optic feed thru's.
<b>Loaded 6 Port Plate with Duplex LC-LC Fiber Optic Feed Thru's</b>	
<b>FIB-006D-LC</b>	6 Port Loaded Duplex LC-LC
<b>FIB-006MTRJ</b>	6 Port Loaded MTRJ-MTRJ
<b>FIB-006-SC</b>	6 Port Loaded Simplex SC-SC
<b>Loaded 6 Port Plate with Duplex SC-ST Fiber Optic Feed Thru's</b>	
<b>FIB-006D-SC/ST</b>	Loaded 6 port plate with Duplex SC-ST fiber optic feed thru's
<b>Loaded 6 Port Plate with SC Fiber Optic Feed Thru's.</b>	
<b>FIB-006SC</b>	Loaded 6 port plate with SC fiber optic feed thru's.
<b>Loaded 6 Port Plate with Duplex LC-LC Fiber Optic Feed Thru's</b>	
<b>FIB-006D-LC</b>	6 Port Loaded Duplex LC-LC
<b>FIB-006MTRJ</b>	6 Port Loaded MTRJ-MTRJ
<b>FIB-006-SC</b>	6 Port Loaded Simplex SC-SC



FIB-006D-SC



FIB006D-SC/ST



FIB-006ST



FIB-006SC

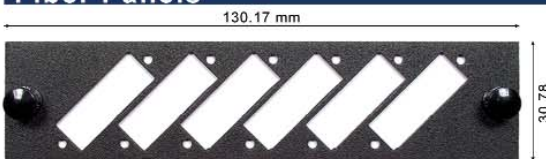


FIB-006D-LC



FIB-006-MTRJ

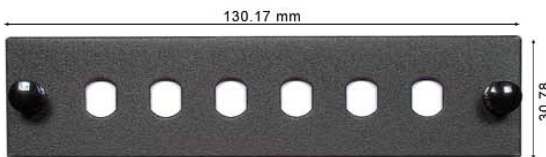
## Fiber Panels



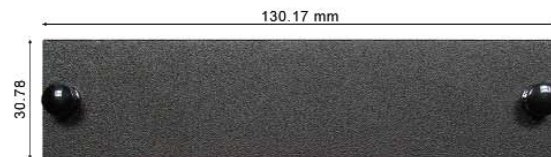
<b>Fiber Panels</b>	
<b>FIB-BK006D-SCBK</b>	6 port plate for SC and ST/SC duplex fiber optic feed thru.



<b>Fiber Panels</b>	
<b>FIB-BK006SC-BK</b>	6 port plate for SC Simplex, MTRJ and LC fiber optic feed thru



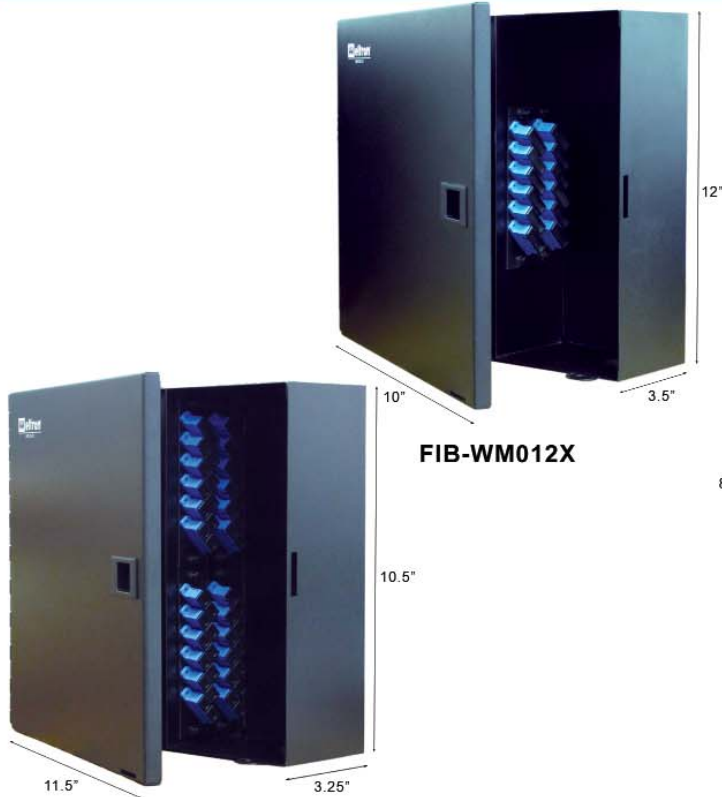
<b>Fiber Panels</b>	
<b>FIB-BK006ST-BK</b>	6 port plate for ST fiber optic feed thru.



<b>Fiber Panels</b>	
<b>FIB-BK001BK</b>	Blank plate

## FIBER ENCLOSURES

### Fiber Enclosures



**FIB-WM012X**

**FIB-WM024X**



**Low Profile Surface Mount Fiber Enclosure**

<b>FIB-WM006LP</b>	Single panel Wall mount Enclosure 8.25" H x 5.75" W x 1" D
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**Fiber Wall Mount Distribution Enclosures**

<b>FIB-WM012X</b>	2 Panel Wall Mount Enclosure 12" H x 10" W x 3.5" D
<b>FIB-WM024X</b>	4 Panel Wall Mount Enclosure 10.5" H x 11.5" W x 3.25" D



**FIB-RM012**



**FIB-RM072X**

**Fiber Rack Mount Distribution Enclosures**

<b>FIB-RM012</b>	2 Panel Rack Mount 1.5" H 16" W 9.5" D
<b>FIB-RM024</b>	4 Panel Rack Mount 3" H 16" W 9.5" D
<b>FIB-RM036 X</b>	6 Panel Rack Mount 3.5" H 17" W 12.14" D
<b>FIB-RM072 X</b>	12 Panel Rack Mount 6.5" H 16" W 12.5" D

# LC FIBER JUMPERS MULTI & SINGLE MODE

## LC Fiber Jumpers Multi Mode

LC/LC Fiber Optic Patch Cable	
	MM 62.5/125M
90-5000-1M	1 Meter
90-5000-2M	2 Meter
90-5000-3M	3 Meter
90-5000-5M	5 Meter
90-5000-7M	7 Meter
90-5000-10M	10 Meter
90-5000-15M	15 Meter

LC/ST Fiber Optic Patch Cable	
	62.5/125 Micron
90-5001-1M	1 Meter
90-5001-2M	2 Meter
90-5001-3M	3 Meter
90-5001-5M	5 Meter
90-5001-7M	7 Meter
90-5001-10M	10 Meter
90-5001-15M	15 Meter

LC/SC Fiber Optic Patch Cable	
	62.5/125 Micron
90-5002-1M	1 Meter
90-5002-2M	2 Meter
90-5002-3M	3 Meter
90-5002-5M	5 Meter
90-5002-7M	7 Meter
90-5002-10M	10 Meter
90-5002-15M	15 Meter



## LC Fiber Jumpers Multi Mode Aqua 50/125 10 Gigabite

LC/LC Fiber Optic Patch Cable	
	MM 50/125M
90-5100-1M	1 Meter
90-5100-2M	2 Meter
90-5100-3M	3 Meter
90-5100-5M	5 Meter
90-5100-7M	7 Meter
90-5100-10M	10 Meter
90-5100-15M	15 Meter

LC/ST Fiber Optic Patch Cable	
	50/125Micron
90-5101-1M	1 Meter
90-5101-2M	2 Meter
90-5101-3M	3 Meter
90-5101-5M	5 Meter
90-5101-7M	7 Meter
90-5101-10M	10 Meter
90-5101-15M	15 Meter

LC/SC Fiber Optic Patch Cable	
	50/125Micron
90-5102-1M	1 Meter
90-5102-2M	2 Meter
90-5102-3M	3 Meter
90-5102-5M	5 Meter
90-5102-7M	7 Meter
90-5102-10M	10 Meter
90-5102-15M	15 Meter



## LC Fiber Jumpers Single Mode

LC/LC Fiber Optic Patch Cable	
90-1500-1M	1M LC/LC SM DUPLEX
90-1500-2M	2M SINGLE MODE LC/LC DUPLEX
90-1500-3M	3M LC/LC SM DUPLEX
90-1500-5M	LC/LC, SINGLEMODE DUPLEX FIBER JUMPER; 5M
90-1500-7M	7M LC/LC SM DUPLEX
90-1500-10M	LC/LC; 8.3 SM DUPLEX FIBER JUMPER; 10M
90-1500-15M	LC / LC SINGLE MODE 15 METER
90-1500-18M	LC/LC; 8.3 SM DUPLEX FIBER JUMPER; 18M
90-1500-20m	LC/LC; 8.3 SM DUPLEX FIBER JUMPER; 20M

LC/ST Fiber Optic Patch Cable	
90-1501-1M	LC/ST, 8.3 SM DUPLEX FIBER JUMPER; 1M
90-1501-2M	LC/ST, 8.3 SM DUPLEX FIBER JUMPER; 22M
90-1501-3M	LC/ST, 8.3 SM DUPLEX FIBER JUMPER; 3M
90-1501-5M	LC/ST, 8.3 SM DUPLEX FIBER JUMPER; 5M
90-1501-7M	LC/ST, 8.3 SM DUPLEX FIBER JUMPER; 7M
90-1501-10M	LC/ST, SINGLEMODE DUPLEX FIBER JUMPER; 25M
90-1501-15M	LC/ST, 8.3 SMDUPLEX FIBER JUMPER; 15M
90-1501-25M	LC/ST, 8.3 SMDUPLEX FIBER JUMPER; 25M

LC/SC Fiber Optic Patch Cable	
90-1502-1M	LC/SC 8.3 SING LEMODE DUPLEX FIBER JUMPER:1M
90-1502-2M	LC/SC 8.3 SING LEMODE DUPLEX FIBER JUMPER:2M
90-1502-3M	LC/SC 8.3 SING LEMODE DUPLEX FIBER JUMPER:3M
90-1502-5M	LC/SC 8.3 SING LEMODE DUPLEX FIBER JUMPER:5M
90-1502-7M	LC/SC 8.3 SING LEMODE DUPLEX FIBER JUMPER:7M
90-1502-10M	LC/SC 8.3 SING LEMODE DUPLEX FIBER JUMPER:10M
90-1502-15M	LC/SC SINGLE MODE DUPLEX 15 METER
90-1502-20M	LC/SC SINGLE MODE DUPLEX 20 METER



Custom cables available. Please ask your sales Representative.

## ST/ST, ST/SC, SC/SC FIBER JUMPERS

### ST/ST Fiber Optic Patch Cable

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	xx= Length	



90-2000-xx

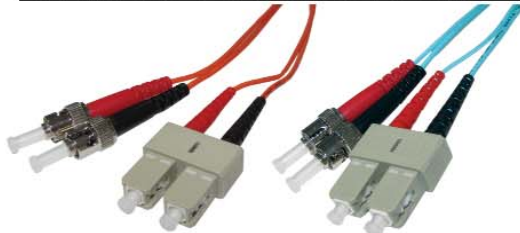
90-2100-xx



90-1000-xx

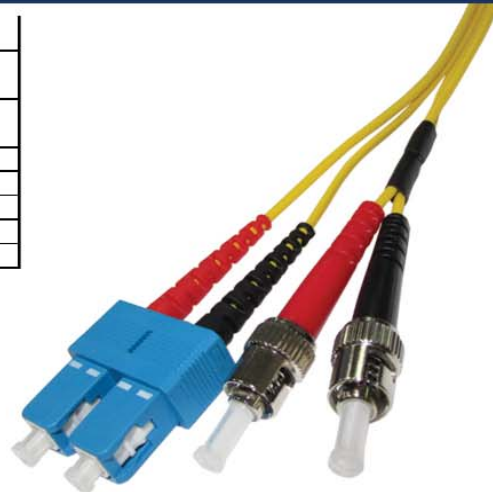
### ST/SC Fiber Optic Patch Cable

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	xx= Length	



90-2001-xx

90-2101-xx



90-1001-xx

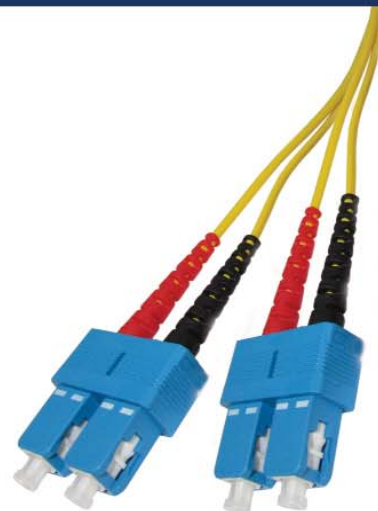
### SC/SC Fiber Optic Patch Cable

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	xx= Length	



90-2002-xx

90-2102-xx



90-1002-xx

# FIBER OPTICAL BULK CABLE

## Duplex Fiber Zip Cord

Duplex Fiber Zip Cord	
<b>FIB-SM002 R</b>	Single Mode, 8.3/125 Riser
<b>FIB-SM002 P</b>	Single Mode, 8.3/125 Plenum
<b>FIB-MM002R</b>	Multimode Riser 6 2.5/125
<b>FIB-MM002P</b>	Multimode Plenum 6 2.5/125



## Distribution Type

Distribution Type	
<b>FIB-SM004DSR</b>	Single Mode, 4 Strand Riser
<b>FIB-SM004DSP</b>	Single Mode, 4 Strand Plenum
<b>FIB-MM004DSR</b>	Multimode, 4 Strand Riser
<b>FIB-MM004DSP</b>	Multimode, 4 Strand Plenum
<b>FIB-MM008DSR</b>	Multimode, 8 Strand Riser
<b>FIB-MM008DSP</b>	Multimode, 8 Strand Plenum



## Loose Tube for Direct Burial

Loose Tube For Direct Burial	
<b>FIB-MM004DB</b>	4 Strand, 62.5/125 Multimode
<b>FIB-MM008DB</b>	8 Strand, 62.5/125 Multimode



## FIBER OPTICAL CONNECTORS

### 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.

#### Non-Polished Connectors

<b>FIB-290-ST NP</b>	ST Style, Non-Polish
<b>FIB-290-SCNP</b>	SC Style, Non-Polish

#### Fiber Optic Connectors

Light crimp fiber connectors provide superior quality and performance.

#### Fiber Optic Connectors

<b>FIB-290-ST MM</b>	ST Style, Multimode
<b>FIB-290-ST SM</b>	ST Style, Single Mode
<b>FIB-290-SCMM</b>	SC Style, Multimode
<b>FIB-290-SCSM</b>	SC Style, Single Mode

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

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

**Complete!**

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



#### FAST-ST Connector Termination Kit

Instructions & Assembly Manual

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

#### FAST Connector Tool Kit Contents

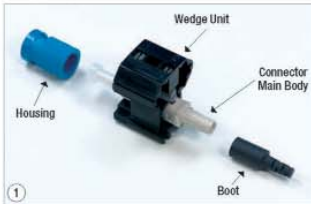
- Fiber Stripper
- Scissors
- Lint-Free cloth wipes
- Fiber prep fluid
- Marker pen
- Instruction booklet
- Strip Length template
- Assembly video
- Carrying case
- Cleaver



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

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

1. Identify the components of the connector kit.



2. Wedge is engaged at shipment. If it has become dislodged, squeeze the top and bottom insuring the wedge is inserted into the connector body. A click will be heard.



3. If using 900µm buffered fiber, remove the protection tubing from the boot. Slide it out the front of the boot. Slide the boot onto the fiber, small end first.



4. Strip the fiber, removing the buffer coating, leaving the fiber longer than the finished cleave length below. It is recommended to clean the fiber with an alcohol wipe between the strip and cleave steps to remove any dust or debris.



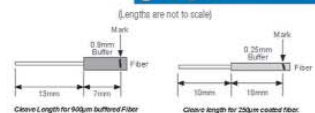
5. Check fiber for integrity by bending the stripped end of the fiber slightly. This insures that you have not damaged it during the stripping step.



6. Cleave the fiber to the referenced cleave length, depending on whether you have 250µm or 900µm buffer coating.



- Fujikura CT-30A cleaver is recommended for single-mode or multimode FAST connectors.
- AFL 92208-TB cleaver is recommended for multimode FAST connectors.



**NOTE:** Due to typical mechanical stripping of tight buffered 900µm fiber, a portion of 250µm coating may remain. If this is the case, it must not extend more than 2mm.

7. Insert the cleaved fiber into the rear of the connector. Carefully guide the fiber into connector body opening.



8. Hold the fiber approximately 100mm behind the connector and maintain a slight force and bend on the fiber. This insures the prepared fiber is aligned the internal ferrule. Your mark on the fiber should be hidden inside the connector body.



9. Maintaining the slight force on the fiber, release the wedge clip by squeezing it from the side.



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



FIB-290-SCNP



FIB-290-STNP



FIB-290-SCMM



FIB-290-STSM

# FIBER OPTIC TOOLS

## Fiber Optic Strippers

Fiber Optic Stripper	
<b>WDL-702</b>	Stripper for glass fiber optic with adjustment



Fiber Optical Stripper	
<b>FIB-FS203</b>	Strips glass fiber without scratching or nicking glass fiber



## Lint Free Wipes

Lint Free Wipes	
<b>FIB-5511-PW</b>	Lint-Free Wipes - 250 Count



## Fiber Optic Kevlar Cutter

Fiber Optic Kevlar Cutter	
<b>FIB-KS1</b>	Fiber Optic Kevlar Cutter



## Fiber Tube Splitter Kit

Fiber Tube Splitter Kit	
<b>FIB-FAN-6</b>	6 Fiber/Tube Splitter Kit
<b>FIB-FAN-12</b>	12 Fiber/Tube Splitter Kit
<b>FIB-FAN-24</b>	24 Fiber/Tube Splitter Kit



## Fiber Optic Testing Kit w / Printable Results

Fiber Optic Testing Kit w/ Printable Results	
<b>FIB-FC-2550</b>	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



## Fiber Checker Pro

Fiber Checker Pro	
<b>FIB-WTD0850</b>	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

