



# FiberOptic.com

The Fiber Optic Marketplace, LLC®

Authorized Distributor

**AFL Telecommunications**  
A Fujikura Business

## AFL Product Catalog

Toll Free: 877-529-9114 • sales@fiberoptic.com • Fax: 215.689.1463

The Fiber Optic Marketplace, LLC is committed to maintaining excellent customer service and client relations. As we continue into the future, the company will continue to offer expertise in the field of fiber optics by providing customized solutions for our customers' project requirements. We will continue to uphold our status as the number one on-line provider of fiber optic products, training and rental solutions.

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## TO PLACE AN ORDER

- Web: [www.fiberoptic.com](http://www.fiberoptic.com)
- E-mail: [sales@fiberoptic.com](mailto:sales@fiberoptic.com)
- Phone: 1-877-529-9114
- Fax: 1-215-689-1463

If we have your email address on file, orders will be confirmed automatically via e-mail.

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- You choose your shipping method: UPS, FedEx, DHL or U.S. Postal Service
- Global shipping

## VALUE ADDED SERVICES

We are here to provide you with solutions and products to fulfill your project needs

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- Equipment Rentals
- Free Professional Technical Support available 9AM-5PM EST
- Chat on-line with a Professional in Real Time
- Global Training
- With Over 3,000 Products in Stock we are guaranteed to meet any of your fiber optic needs

## HOURS OF OPERATION

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All products are sold FOB shipping point. Items will be shipped UPS ground, freight collect or third-party bill unless otherwise requested by purchaser. Please advise method of shipment and preferred carrier when order is placed. We discourage mandatory carrier requirements which have an adverse effect on service and delivery. Check your order immediately upon arrival. All damages must be noted on delivery receipt. Any claims for damage or loss of items while in transit must be filed with the carrier.

For purchasers with established credit, terms are net 30 days from date of shipment. Payments must be in U.S. dollars and cash discounts are not allowed. Our remit to address is The Fiber Optic Marketplace, One TEK Park Suite 220, 9999 Hamilton Blvd. Breinigsville PA 18031.

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For sales assistance  
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## FSM-50S FUSION SPLICER



The FSM-50S Fusion Splicer sets the standard for core alignment fusion splicers. The FSM-50S is the fastest field splicer available, and completes a splice and tube heat in a total of 44 seconds. Special features include its small size and weight and the legendary ruggedness Fujikura is known for. The FSM-50S also includes user-friendly features such as calibration-free arc adjustments, automatic fiber type identification and reduced operational steps. The FSM-50S also offers increased flexibility for various splicing tasks with user-selectable front and back monitor positioning.



Top and Front Monitor Positions



Changing Monitor Positions

### Features

- Automatic core-to-core, low-loss splicing regardless of fiber quality or age
- 9-second splicing time
- 35-second heat time (60mm sleeve)
- Dual, user selectable monitor position
- Excellent visibility in bright sunlight with 5.6" TFT Color LCD display
- Automatic arc calibration
- Long life battery (up to 160 splice/shrink cycles per charge)

## FSM-17S FUSION SPLICER



The FSM-17S establishes a new standard for single fiber "fixed v-groove" type fusion splicers with a host of improvements including a 35 second tube heater, dual position monitor, and a longer battery life. The real time arc calibration feature makes field maintenance easier than ever. Also available now is a version of the FSM-17S utilizing a fiber holder system, making the splicing process extremely simple for inexperienced technicians. The FSM-17S is well suited for FTTX applications and both models quickly attach to the newly redesigned ASW-02 workstation, making field portability a breeze.



Top and Front Monitor Positions



Changing Monitor Positions

### Features

- 35 second tube heater
- Dual direction monitor position
- Long life battery (up to 160 splices/shrinks per charge)
- Automatic arc calibration
- Available in either sheath clamp or fiber holder models

# SPLICEMATE™ HANDHELD FUSION SPLICER



SpliceMate (FSM-11) is the world's smallest and most portable fusion splicer and is designed to meet the challenges posed by today's fiber networks. SpliceMate fits in the palm of your hand, yet it's smart and reliable enough to be used with confidence by inexperienced operators.

SpliceMate's advanced intelligence features include two-camera fiber inspection to insure the splice is right and Auto Arc Calibration...an industry first. It's easy to operate and quickly makes low-loss splices with all common types of optical fibers up to 4-fiber ribbons. SpliceMate is available with a variety of powering options including a battery pack and adapters to work with AC or DC power sources.

A workstation, specifically designed for the SpliceMate, is available for simplified splicing in the field. Whether splicing on a pole, in a bucket, or in a neighborhood... SpliceMate is the friend to have along on the job!



SpliceMate shown with kit



SpliceMate shown with Portable Workstation

## Features

- Highly portable
- Dual camera inspection
- 3.5" dual direction monitor
- Single or 4-fiber versions available
- 40 second tube heater
- Auto arc calibration
- 30 mph wind protector

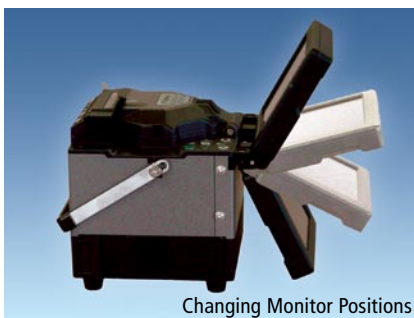
# FSM-50R12 FUSION SPLICER



The FSM-50R12 offers numerous improvements to increase productivity and provide additional flexibility. A new "auto load" feature provides for fast and easy placement of the fiber holders into the splicer. The FSM-50R12 also benefits from a greatly improved tube heater which shrinks a 12-fiber splice protection sleeve in approximately 45 seconds. Other enhancements include larger capacity batteries, dual direction monitor, and real time arc calibration. The FSM-50R12 quickly attaches to our newly redesigned ASW-02 workstation, making field portability a breeze.



Changing Monitor Positions



Changing Monitor Positions

## Features

- 45 second tube heater
- Dual direction monitor position
- Long life batteries (up to 140 splices/shrinks per charge)
- Automatic arc calibration
- Auto load fiber positioning

# FUSION SPLICER ACCESSORIES

ACCESSORIES	FSM-11S/R (SPLICEMATE)	FSM-17S	FSM-50S	FSM-50R
<b>Power, Cords &amp; Cases</b>				
DCA-02 DC Adapter for Splicemate (needed for AC operation)	•			
ADC-10 AC Adapter	•			
BTR-06S Battery (REQUIRES DCC-10)		•	•	•
BTR-06L Battery (REQUIRES DCC-10)		•	•	•
DCC-10 Power Cord		•	•	•
LC-01 Leather Case	•			
<b>Electrodes</b>				
Electrodes, FSM-11S/R	•			
Electrodes, ELCT2-20A		•	•	•
<b>Fiber Holders</b>				
FH-50-250 Fiber Holders	•			•
FH-50-900 Fiber Holders	•			•
FH-50-2 Fiber Holders				•
FH-50-4 Fiber Holders				•
FH-50-6 Fiber Holders				•
FH-50-8 Fiber Holders				•
FH-50-10 Fiber Holders				•
FH-50-12 Fiber Holders				•
<b>Portable Workstations</b>				
SpliceMate Portable Workstation	•			
Aerial Mounting Kit	•			
ASW-02 Splicing Workstation		•	•	•
<b>PRICE</b>	<b>\$8,400.00</b>	<b>\$ 7,150.00</b>	<b>\$17,900.00</b>	<b>\$18,900.00</b>

## SPLICING ACCESSORIES

### Fiber Arrangement Tools



The **FAT-02** Fiber Arrangement Tool is an industry standard tool for forming individual 250µm coated

fibers into ribbons. The fibers are placed into the proper position within the spring, eliminating the need to pre-sort the fibers and place them into the tool in numerical sequence.



The **FAT-04** features an easy-to-use

fiber arrangement method utilizing linear travel. The FAT-04 includes a spare paste applicator to allow ribbon making to continue even if one of the paste applicators needs cleaning.

### Hot Jacket Strippers



The **HJS-02** and **HJS-03-24** hot jacket strippers provide superior ribbon and

field-ribbonized stripping performance. They conserve power for field stripping when operating under battery power. A temperature selection switch is also provided for easy optimization in the field for different fibers or operating conditions. An optional single-fiber adapter may be used to provide easy single-fiber capability for difficult-to-strip fibers.

### Ribbon Forming Adhesive



A key advantage of both fiber arrangement tools is the use of the ribbon forming adhesive. Ribbons formed with this adhesive

have excellent stripability, especially compared to ribbonizing methods using tape. Unlike tape methods, the paste does not "gum-up" the stripping tool and cause broken fibers. The paste holds the stripped coating residue into a single piece of debris that is easily cleaned from the stripper. If needed, the ribbon can be easily separated into individual fibers using alcohol.

# CT-30 SERIES FIBER CLEAVERS



The CT-30 Cleaver sets the standard for portability, reliability and ease-of-use. Available for either single fiber or ribbon splicing (up to 12 fiber ribbons) applications, the CT-30 Cleavers are compatible with all AFL Telecommunications fusion splicers. Designed for excellent portability, the CT-30 is equally at home in a splicing van or in a bucket truck and is ideal for FTTx applications. The 16-position blade yields 48,000 single-fiber cleaves, or 4,000 12-fiber ribbon cleaves before requiring replacement, and the built-in scrap collector conveniently stores fiber shards until they can be safely discarded.



## SPECIFICATIONS

PARAMETER	VALUE
Dimensions (W x D x H)	69mm x 82mm x 41mm (2.7" x 3.2" x 1.6")
Weight	180g (0.4 lbs)
Blade lifetime	48,000 fiber cleaves (4,000 12-fiber cleaves)
Cleave angle capability	typically <0.5°

## ORDERING INFORMATION

MODEL NO.	APPLICATION	FIBER HANDLING SYSTEM	CLEAVE LENGTH	PART #	PRICE
CT-30	Fiber Ribbons (up to 12 fibers)	Fiber Holders for the following: FSM-50R, FSM-17S-FH, FSM-30R, 40R	10mm	S014076	<b>\$1,056.72</b>
CT-30A	Single Fibers: 250µm to 900µm coating, 125µm cladding	AD-30A Adapter Plate	900µm: 10mm to 20mm  250µm: 6mm to 20mm	S014080	<b>\$1,113.33</b>

## ACCESSORIES

DESCRIPTION	PART #	PRICE
Replacement Blade for CT-30 Series Cleavers	S012828	<b>\$185.00</b>
FC-02 Fiber Collector	S014092	<b>\$194.81</b>
AD-30A Adapter Plate	S014096	<b>\$92.50</b>
AD-30B Adapter Plate	S014100	<b>\$92.50</b>
FDB-02 Fiber Collector Scrap Box	S014104	<b>\$11.43</b>

**Get hands-on experience, professional training and a FiberOptic.com Masters of Splicing Certification!**  
**Call for more information 877-529-9114**

# OPM SERIES OPTICAL POWER METERS



Optical power meters may be used to measure optical power in premises, telco, or broadband fiber optic networks. When used with an LED or laser light source, an OPM can also measure the attenuation (loss) of multimode or single-mode cables.

## OPM 1 - Measures Optical Power in dBm

With only two controls – Power and Wavelength – the OPM 1 is our simplest to use optical power meter. Optical power in dBm and the calibration wavelength setting are displayed on an easy-to-read LCD display.

## OPM 4 - Adds Wave ID and Set Reference

The OPM 4 offers automatic wavelength identification and switching when used with Wave ID light sources. The OPM 4 stores optical references for each calibrated wavelength. An easy-to-read Dual Wavelength LCD display with Backlight shows measured power [dBm or  $\mu$ W] or insertion loss [dB], calibrated wavelengths, tone signal [Hz], wavelength ID, and the battery charge status.

## OPM 5 - Adds Wave ID and Data Storage

The OPM 5 offers automatic wavelength identification and switching when used with Wave ID light sources. The OPM 5 stores optical references for each calibrated wavelength. An easy-to-read Dual Wavelength LCD display with Backlight shows measured power [dBm or  $\mu$ W] or insertion loss [dB], calibrated wavelengths, tone signal [Hz], wavelength ID, and the battery charge status. Up to 500 records per wavelength of power or insertion loss measurements may be stored in internal non-volatile memory. Using the supplied Windows® compatible software and USB connection, test records may be transferred to a PC for storage, display, printing, and analysis.

## SPECIFICATIONS

MODEL	OPM 1-2C	OPM 1-3C	OPM 4-1D	OPM 4-2D	OPM 4-3D	OPM 4-4D	OPM 5-2D	OPM 5-3D	OPM 5-4D
<b>Calibrated wavelengths (nm)</b>	850 1300 1310 1550	850 1300 1310 1550	660 780 850	850 1300 1310 1550	850 1300 1310 1550 1625	850 980 1310 1490 1550 1625	850 1300 1310 1550	850 1300 1310 1550 1625	850 980 1310 1490 1550 1625
<b>Detector type</b>	Germanium	InGaAs	Silicon	Germanium	InGaAs	Filtered InGaAs	Germanium	InGaAs	Filtered InGaAs
<b>Measurement range (dBm)</b>	+6 to -60	+6 to -70	+6 to -70	+6 to -60	+6 to -70	+26 to -50	+6 to -60	+6 to -70	+26 to -50
<b>Measurement units</b>	dBm	dBm	dB, dBm, $\mu$ W	dB, dBm, $\mu$ W	dB, dBm, $\mu$ W	dB, dBm, $\mu$ W	dB, dBm, $\mu$ W	dB, dBm, $\mu$ W	dB, dBm, $\mu$ W
<b>Power</b>	9 volt	9 volt	2 x AA batteries, optional NiMH	2 x AA batteries, optional NiMH	2 x AA batteries, optional NiMH	2 x AA batteries, optional NiMH	2 x AA batteries, optional NiMH or AC	2 x AA batteries, optional NiMH or AC	2 x AA batteries, optional NiMH or AC
<b>Wavelength ID</b>	—	—	yes	yes	yes	yes	yes	yes	yes
<b>Set reference</b>	—	—	yes	yes	yes	yes	yes	yes	yes
<b>Tone Detect*</b>	—	—	yes	yes	yes	yes	yes	yes	yes
<b>PC software &amp; storage</b>	—	—	—	—	—	—	yes	yes	yes
<b>PRICE</b>	<b>\$449.00</b>	<b>\$549.00</b>	<b>\$549.00</b>	<b>\$449.00</b>	<b>\$549.00</b>	<b>\$599.00</b>	<b>\$795.00</b>	<b>\$895.00</b>	<b>\$949.00</b>

\* 270 Hz, 330 Hz, 1 kHz, and 2 kHz Tone detection.

# M200 HANDHELD OTDR



The Noyes M200 from AFL Telecommunications offers unmatched OTDR capabilities in a handheld package weighing less than 1 kg (2 lb). Multimode, Single-mode, and 'Quad' wavelength models are offered. With short dead-zone and intermediate range specifications, the M200 is ideal for Tier 2 testing of premises (building and campus) networks or certification and troubleshooting of FTTX PON networks. And its bright, transfective display makes it suitable for both indoor and outdoor operation.

The M200 is based on a new hardware/software platform that supports automatic and manual setup, precision event analysis, dual-wavelength testing, fiber identification using Noyes 'TR' test receivers, rich file naming and folder setup, 6 hour battery life, internal and removable media data storage, and USB connectivity. Test ports are equipped with tool-free adapters, which can be changed in seconds. A custom-designed polycarbonate case and shock-absorbing boot make it our most rugged OTDR ever.

Results are saved as industry standard .SOR files, which can be viewed, printed, and analyzed on a PC using free-ware available to you and your customers (go to [www.afltele.com](http://www.afltele.com) to download). Unit firmware, user settings, and test results are saved in non-volatile memory. Thus the M200 may be stored with battery removed for an extended period of time and still be up and running in seconds when needed.

## Features

- Handheld, 0.9 kg (2 lb)
- 850/1300/1310/1550 nm
- 1.5 m (typ.) event dead-zone
- 22 dB (MM), 26 dB (SM) dynamic range
- Integrated VFL (650 nm)
- Tool-free, switchable adapters (ST/SC/FC)
- Bellcore (GR-196) .SOR file format
- CompactFlash™ memory card
- Tool-free Lilon battery (6 hour life)
- Transfective (indoor/outdoor) touch-screen display

## Applications

- Tier 2 testing of premises networks
- FTTX PON certification and troubleshooting
- Fast fault location
- Splice verification
- Network documentation

## ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION	TEST PORT ADAPTERS	PRICE
M200-K-QUAD	850/1300 nm multimode and 1310/1550 nm single-mode OTDR	(2) ST, (2) SC, and (1) FC	<b>\$8995.00</b>
M200-K-MM	850/1300 nm multimode OTDR	ST and SC	<b>\$6295.00</b>
M200-K-SM	1310/1550 nm single-mode OTDR	SC and FC	<b>\$5995.00</b>

All models include a rugged, soft-sided carry case with shoulder strap, 110/220 VAC power adapter with country-specific power cord, and user guide.



# M200 HANDHELD OTDR

## SPECIFICATIONS

OTDR SPECIFICATIONS		
PARAMETER	MULTIMODE	SINGLE-MODE
Emitter Type	Laser	
Safety Class	Class 1 FDA 21 CFR 1040.0 & 1040.11	
Center Wavelengths	850/1300 nm	1310/1550 nm
Wavelength Tolerance	$\pm 20 / \pm 30$ nm	$\pm 20 / \pm 30$ nm
Dynamic Range (SNR = 1)	22 dB	26 dB
Event Dead-zone <sup>1</sup>	1.5 m	1.5 m
Attenuation Dead-zone <sup>2</sup>	9 m	9 m
Pulse Widths <sup>3</sup>	10, 30, 100, 300 ns, 1, 3 $\mu$ s	10, 30, 100, 300 ns, 1, 3, 10 $\mu$ s
Range	250 m to 64 km	250 m to 208 km
Data Points	Up to 16,000	Up to 16,000
Data Point Spacing	0.25 m (range $\leq 4$ km) Range/16000 (range $\geq 8$ km)	
Group Index of Refraction (GIR)	1.4000 to 1.6000	
Trace File Format	Bellcore GR-196 Version 1.1	
Trace File Storage Medium	Internal, non-volatile memory and removable Compact Flash Card	
Trace File Storage Capacity	> 100 internal; thousands on Compact Flash	
Distance Uncertainty (m)	$\pm (1 + 0.005\% \times \text{distance} + \text{data point spacing})$	
VISUAL FAULT LOCATOR SPECIFICATIONS		
Emitter Type	Laser	
Safety Class	Class II FDA 21 CFR 1040.10 & 1040.11; IEC 825-1:1993, EN60825-1:1994	
Wavelength	650 nm	
Output Power (nominal)	0.8 mw	
GENERAL SPECIFICATIONS		
Size (in boot)	23 x 11 x 7 cm (8.8 x 4.3 x 2.8 inches)	
Weight	0.9 kg (2 lb)	
Operating Temperature	-10 to +50 °C	
Storage Temperature	-20 to +60 °C	
Relative Humidity	0 to 95% RH (non-condensing)	
Power	Removable Lilon or 110/220 VAC power adapter	
Battery Life	6 hours	

All specifications are subject to change.

1. Typical distance between the two points 1.5 dB down each side of a reflective spike caused by a -40 dB (Multimode) or -45 dB (single-mode) event using 10 ns pulse width.
2. Typical distance from event location to point where trace is within 0.5 dB of backscatter.
3. 3  $\mu$ s pulse width not available at 850 nm.

**Get hands-on experience, professional training  
and a FiberOptic.com Masters of Testing Certification!  
Call for more information 877-529-9114**

## CONTRACTOR SERIES LOSS TEST KITS

To accommodate your fiber optic loss testing needs, Noyes offers a variety of multimode (MLP) test kits, single-mode (SLP) test kits, single-mode/multimode (SMLP) and Contractor Series (CK) test kits. These kits are ideal solutions for testing and certifying a range of networks such as LANs, WANs, IXC, CATV, and Telecom. Kits come complete with an adapter cap, software, download cable and instructions.



### CKM 2 - Contractor Series Multimode Test Kit with Set Reference

Combining the CSM 2 optical power meter and CSS-MM Dual LED light source, the CKM 2 is a cost-effective test kit designed for performing insertion loss measurements on multimode fiber optic links.



### CKSM 2 - Contractor Series Multimode & Single-mode Test Kit with Set Reference

Combining the CSM 2 optical power meter, CSS-MM Dual LED light source, and CSS-SM Dual LASER source, the CKSM 2 is a cost-effective test kit designed for performing insertion loss measurements on multimode as well as single-mode fiber optic links.

# MLP SERIES LOSS TEST KITS



## MLP 1 - Multimode Test Kit

The MLP 1 test kits are inexpensive solutions for testing multimode and single-mode systems. By joining the OPM 1 optical power meter and the OLS 1 optical light source, the MLP 1 is a great kit for beginners or network owners.



## MLP 4-2 - Multimode Test Kit w/ Wave ID and Set Reference

The MLP 4-2 test kit offers accurate fiber optic testing at an affordable price. Combining the OPM 4-2D optical power meter and the OLS 1-Dual LED light source in a rugged carry case, the MLP 4-2 is a complete test kit for fiber optic LANs and WANs.

Used during installations or maintenance, the MLP 4-2 performs insertion loss measurements on multimode fiber at 850 and 1300nm, as well as single-mode fiber at 1300nm. The OPM 4-2D optical power meter stores reference values at each wavelength for direct loss readings in dB.



## MLP 5-2 - Multimode Test Kit w/ Wave ID, Set Reference and Data Storage

The MLP 5-2 test kit raises field testing to new standards by combining our popular OPM 5-2D optical power meter, and the OLS 1-Dual LED light source in a rugged carrying case. Used during installations, the MLP 5-2 performs insertion loss measurements on multimode fiber at 850 and 1300 nm, as well as measurements on single-mode fiber at 1300 nm.

The OPM 5-2D stores 500 loss readings for each wavelength. In addition, the OPM 5-2D will re-measure any specific memory location without erasing or modifying other loss readings. With the supplied PC software, saved test results can be transferred to a PC for storage, analysis, and printing.

## Finance Today!

Take advantage of FiberOptic.com's finance packages with low monthly payments and \$1 buy-outs on AFL Test Equipment Products like:



### M200 OTDRS

MODEL NUMBER	DESCRIPTION	PRICE
M200-K-QUAD	850/1300 nm multimode and 1310/1550 nm single-mode OTDR	<b>\$214.00/mo.</b>
M200-K-MM	850/1300 nm multimode OTDR	<b>\$150.00/mo.</b>
M200-K-SM	1310/1550 nm single-mode OTDR	<b>\$143.00/mo.</b>

Base upon 60 month lease with \$1 Buyout

# SLP SERIES LOSS TEST KITS



## SLP 4-6D Single-mode Test Kit with Wave ID and Set Reference

The SLP 4-6D test kit combines an OPM 4-4D optical power meter and an OLS 2-Dual LASER light source and is ideally suited for testing single-mode fiber optic networks. Used during installations, the SLP 4-6D performs insertion loss measurements on single-mode fiber at 1310 and 1550 nm.

The OPM 4-4D optical power meter stores reference values at each wavelength for direct loss readings in dB.



## SLP 5-6D Single-mode Test Kit with Wave ID, Set Reference and Data Storage

The SLP 5-6D test kit combines an OPM 5-4D optical power meter and the OLS 2-Dual LASER light source and is ideally suited for testing single-mode fiber optic networks. Used during installations, the SLP 5-6D performs insertion loss measurements on single-mode fiber at 1310 and 1550 nm.

The OPM 5-4D stores 500 loss readings for each wavelength. In addition, the OPM 5-2D will re-measure any specific memory location without erasing or modifying other loss readings. With the supplied PC software, saved test results can be transferred to a PC for storage, analysis, and printing.

## Finance Today!

Take advantage of FiberOptic.com's finance packages with low monthly payments and \$1 buy-outs on AFL Fusion Splicing Products like:



FSM-11S

### FUJIKURA FUSION SPLICERS

MODEL NUMBER	DESCRIPTION	PRICE
FSM-11S/R	Hand-held V-groove Fusion Splicer	\$200.00/mo.
FSM-17S	V-groove Fusion Splicer	\$170.00/mo.
FSM-50S	Core Alignment Fusion Splicer	\$400.00/mo.
FSM-50R	12 count Ribbon Fusion Splicer	\$422.00/mo.

Base upon 60 month lease with \$1 Buyout



FSM-50S



FSM-50R



FSM-17S

# SMLP SERIES LOSS TEST KITS



## SMLP 4-4 Single-mode/Multimode Test Kit with Wave ID and Set Reference

The SMLP 4-4 test kit combines the OPM 4-2D optical power meter and OLS 4 integrated LED and LASER light source and is ideally suited for testing fiber optic networks with hybrid (single-mode and multimode) cables.

The OLS 4 features 850 nm and 1300 nm LED output from a multimode output port and 1310 nm and 1550 nm LASER output from a single-mode output port. This light source offers 4 modes of operation: Dual wavelengths sending ID, single wavelength sending ID, CW, and modulated Tone.

The OPM 4-2D measures loss results at 850 and 1300 nm for multimode fibers and 1310 and 1550 nm for single-mode fibers and stores reference values at each wavelength for direct loss readings in dB.



## SMLP 5-5 Single-Mode/Multimode Test Kit with Wave ID, Set Reference and Data Storage

The SMLP 5-5 test kit combines the OPM 5-2D optical power meter and OLS 4 integrated LED and LASER light source and is ideally suited for testing fiber optic networks with hybrid (single-mode and multimode) cables.

The OLS 4 features 850 nm and 1300 nm LED output from a multimode output port and 1310 nm and 1550 nm LASER output from a single-mode output port. This light source offers 4 modes of operation: Dual wavelengths sending ID, single wavelength sending ID, CW, and modulated Tone.

The OPM 5-2D measures and stores loss results at 850 and 1300 nm for multimode fibers and 1310 and 1550 nm for single-mode fibers. In addition, the OPM 5-2D will re-measure any specific memory location without erasing or modifying other loss readings. With the supplied PC software, saved test results can be transferred to a PC for storage, analysis, and printing.

## Rent Today!

If you only need a splicer for a week or a month at a time, there's no sense in buying one, when you can rent from us! Check out these great rental packages!

MODEL NUMBER	INCLUDES	WEEKS	PRICE
FSM-17S	Fujikura FSM-50S Fusion Splicer, CT-30 Fujikura High Precision Cleaver, ADC-11 AC Adapter/Battery Charger, Battery Pack BTR-06, Power Cord, 2x 50S Electrodes, Hard Carrying Case	1	<b>\$1,025.00</b>
		2	<b>\$1,255.00</b>
		4	<b>\$1,695.00</b>
FSM-50S	Fujikura FSM-50S Fusion Splicer, CT-30 Fujikura High Precision Cleaver, ADC-11 AC Adapter/Battery Charger, Battery Pack BTR-06, Power Cord, 2x 50S Electrodes, Hard Carrying Case	1	<b>\$1,025.00</b>
		2	<b>\$1,255.00</b>
		4	<b>\$1,695.00</b>
FSM-50R	Fujikura FSM-50R Fusion Splicer, CT-30 Fujikura High Precision Cleaver, ADC-11 AC Adapter/Battery Charger, Battery Pack BTR-06, Power Cord, 2x 50R Electrodes, Hard Carrying Case	1	<b>\$1,255.00</b>
		2	<b>\$1,485.00</b>
		4	<b>\$1,925.00</b>

### TERMS & CONDITIONS

- Cleaver and one spare set of electrodes are provided with the splicers, electrodes are also available for purchase.
- If required, OTDRs are supplied with choice of adapter and launch cable.
- One test cable is provided with each power meter and light source.
- Rental periods are by the week from the time of shipment until the time of return.
- No cancellations will be granted after the product has been shipped.
- Renter agrees to use equipment safely and return the product in as good condition as when originally received. In default, renter agrees to pay the Fiber Optic Marketplace, LLC for any loss or damage of rental equipment.
- It is the renter's responsibility to return the rental unit via a traceable means (e.g. UPS).

# SPECIFICATIONS LOSS TEST KITS

MODEL	CKM 2	CKSM 2	MLP 1-2	MLP 4-2	MLP 5-2B	SLP 4-6D
Power Meter	CSM 2	CSM 2	OPM 1-2C	OPM 4-2D	OPM 5-2D	OPM 4-4D
Light Source	CSS-MM	CSS-MM, CSS-SM	OLS 1-2C	OLS 1-Dual	OLS 1-Dual	OLS 2-Dual
Fiber Type	MM	MM, SM	MM, SM	MM, SM	MM, SM	SM
Loss Measurements (nm)	850, 1300	850, 1300 1310, 1550	850, 1300	850, 1300	850, 1300	1310, 1550
Measurement Units	dB, dBm, $\mu$ W	dB, dBm, $\mu$ W	dBm	dB, dBm, $\mu$ W	dB, dBm, $\mu$ W	dB, dBm, $\mu$ W
Dynamic Range	40 dB @ 850 nm <sup>1</sup> 40 dB @ 1300 nm <sup>1</sup> 40 dB @ 1310 nm <sup>2</sup> 40 dB @ 1550 nm <sup>2</sup>	40 dB @ 850 nm <sup>1</sup> 40 dB @ 1300 nm <sup>1</sup> 60 dB @ 1310 nm <sup>2</sup> 60 dB @ 1550 nm <sup>2</sup>	40 dB @ 850 nm <sup>1</sup> 40 dB @ 1300 nm <sup>1</sup> 22 dB @ 1300 nm <sup>2</sup>	40 dB @ 850 nm <sup>1</sup> 40 dB @ 1300 nm <sup>1</sup> 22 dB @ 1300 nm <sup>2</sup>	40 dB @ 850 nm <sup>1</sup> 40 dB @ 1300 nm <sup>1</sup> 22 dB @ 1300 nm <sup>2</sup>	50 dB @ 1310 nm <sup>2</sup> 50 dB @ 1550 nm <sup>2</sup>
Wavelength ID	—	—	—	yes	yes	yes
Available Connector Types	SC	SC	ST	SC, ST, FC	SC, ST, FC	SC, ST, FC
Set Reference	—	yes	—	yes	yes	yes
PC Software & Storage	—	—	—	—	yes	—
<b>PRICE</b>	<b>\$799.00</b>	<b>\$1,649.00</b>	<b>\$995.00</b>	<b>\$1,195.00</b>	<b>\$1,595.00</b>	<b>\$2,195.00</b>

MODEL	SLP 5-6D	SMLP 4-4	SMLP 5-5
Power Meter	OPM 5-4D	OPM 4-2D	OPM 5-2D
Light Source	OLS 2-Dual	OLS 4	OLS 4
Fiber Type	SM	MM, SM	MM, SM
Loss Measurements (nm)	1310, 1550	850, 1300 1310, 1550	850, 1300, 1310, 1550
Measurement Units	dB, dBm, $\mu$ W	dB, dBm, $\mu$ W	dB, dBm, $\mu$ W
Dynamic Range	50 dB @ 1310 nm <sup>2</sup> 50 dB @ 1550 nm <sup>2</sup>	40 dB @ 850 nm <sup>1</sup> 40 dB @ 1300 nm <sup>1</sup> 60 dB @ 1310 nm <sup>2</sup> 60 dB @ 1550 nm <sup>2</sup>	40 dB @ 850 nm <sup>1</sup> 40 dB @ 1300 nm <sup>1</sup> 60 dB @ 1310 nm <sup>2</sup> 60 dB @ 1550 nm <sup>2</sup>
Wavelength ID	yes	yes	yes
Available Connector Types	SC, ST, FC	SC, ST, FC	SC, ST, FC
Set Reference	yes	yes	yes
PC Software & Storage	yes	—	yes
<b>PRICE</b>	<b>\$2,595.00</b>	<b>\$2,595.00</b>	<b>\$2,995.00</b>

**Get hands-on experience, professional training  
and a FiberOptic.com Masters of Testing Certification!  
Call for more information 877-529-9114**

# INSPECTION MICROSCOPES

Fiber inspection scopes are used to inspect optical fiber connectors for scratches, dirt, pits, or other problems normally associated with poor transmission performance. By using threaded adapter mounts, Noyes fiber scopes can inspect the fiber and surrounding ferrule of virtually any connector style. The VFS 1, OFS 300, and VS 300 models are available for various applications.



## OFS 300

Optical Microscope for Fiber Optic Connectors on Patch Cords

The OFS 300 optical microscope is designed to inspect connectors on fiber optic cables, patch cords, or test jumpers. Two versions of the OFS 300 offer different magnification power. The OFS 300-200C, with 200X magnification, is our most popular fiber scope for inspection of multimode or single-mode fibers. The OFS 300-400C, with 400X magnification, is ideal for critical inspection especially of single-mode fibers. Both models offer 60 hours of continuous battery life. A low battery indicator will flash when approximately 8 hours of optimum brightness remains, reducing the risk of eyestrain.



## VS 300

View Safe Video Microscope for Fiber Optic Connectors on Patch Cords

The VS 300 view safe video microscope removes concerns for eye safety while inspecting optical fiber connectors. The design eliminates the optical path to the eye by utilizing a miniature camera and a state-of-the-art micro-display that achieves unparalleled clarity and resolution.

The VS 300 is modeled after the functionality of our highly successful OFS 300 product line with the following improvements:

- The VS 300 has no optical path to the user's eye.
- The VS 300 has NTSC video output.
- The VS 300 has the familiar shape and control positions of the OFS 300 but is half the weight and has a molded easy grip case with easy access battery compartment.

The VS 300 Video Fiber Scope uses all the OFS 300-200C adapter caps and has an energy saving automatic shutoff.

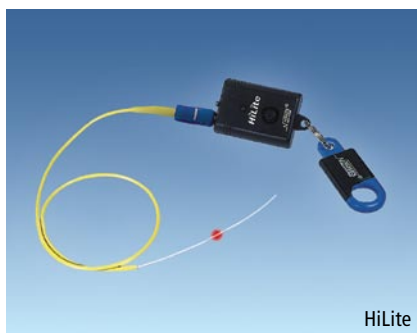
## SPECIFICATIONS

MODEL	OFS 300-200C	OFS 300-400C	VS 300
Normal Magnification	200x	400x	400x
Adapter Mount	Thread-on	Snap-on	Thread-on
Infrared Safety Filter	Schott KG3	Schott KG3	not required - no optical path to laser
Power	2 AA Alkaline	2 AA Alkaline	2 AA Alkaline
<b>PRICE</b>	<b>\$399.00</b>	<b>\$449.00</b>	<b>\$795.00</b>

# VISIBLE LASER SOURCES



VFI 2



HiLite

## HiLite & VFI 2

The HiLite and VFI 2 are compact, but powerful, visible red laser sources designed to troubleshoot faults on fiber optic cables. Light generated by these units will escape from sharp bends and breaks in jacketed or bare fibers, as well as poorly mated connectors. They can identify faults in fiber optic jumper cables, distribution frames, patch panels, and splice trays. The HiLite and VFI 2 are an excellent complement to an OTDR because they can locate faults inside the OTDR's dead-zone. Other applications include end-to-end continuity checks, identifying connectors in patch panels and fibers during splicing operations. The universal connector interface provides fast operation with many connector styles without changing an adapter.

## MT Tracer (12-fiber VFI and display)

The MT Tracer kit includes an MT Tracer Source, MT Tracer Display, and carry case. The MT Tracer Source, which may be used as a multi-fiber VFI, provides 12 separately controlled visible lasers. The MT Tracer can illuminate a selected fiber or automatically sequence through all 12 fibers. The MT Tracer display uses passive optics to show the light received on each fiber being traced. When used together, the MT Tracer Source and Display provide a fast way to trace (verify connectivity) a 12-fiber link. Both Source and Display are equipped with male (pinned) 12-fiber MTP® connectors.

## SPECIFICATIONS

MODEL	VFI 2	HILITE	MT TRACER SOURCE
Wavelength	650 nm	650 nm	650 nm
Optical Output Power (into Single-mode fiber)	1 mW, 2 Hz or CW	1 mW, 2 Hz	1 mW, 2 Hz or CW
Emitter Type	Laser	Laser	Laser
Safety Class	FDA 2, IEC 2	FDA 2, IEC 2	FDA 2, IEC 2
Connector Type	Universal 2.5 mm	Universal 2.5 mm	MTP®
Power	2 AA	1 AAA Alkaline	2 AA
Battery Life	60 hrs.	4 hrs.	40 hrs.
<b>PRICE</b>	<b>\$379.00</b>	<b>\$279.00</b>	<b>\$2,795.00</b>

## AC ADAPTERS

MODEL	DESCRIPTION	PRICE
4050-00-0113	AC Adapter, 120VAC / 3VDC	<b>\$35.00</b>
4050-00-0103	AC Adapter, 220VAC / 9VDC (European)	<b>\$50.00</b>



# OFI OPTICAL FIBER IDENTIFIERS



Noyes Optical Fiber Identifiers are rugged, handheld, and easy-to-use fiber optic test instruments designed to detect optical signals transmitted through a single-mode fiber without disrupting traffic. It is often necessary to isolate a specific fiber during installation, maintenance, rerouting, or restoration. By simply clamping an Optical Fiber Identifier onto a gently bent fiber, the unit will indicate if there is [No Signal], [Tone], or [Traffic] and identify signal direction.

The OFI 200 model and OFI 400 model Identifiers are equipped with a unique two-position head design that can be configured to work with 250 μm, 900 μm, ribbon, or jacketed fiber in seconds, without tools or adjustments. When testing coated fibers, the slim design of the OFI 200 and OFI 400 models allows easier access on a splice tray where the amount of work space is limited. The clamping trigger is ergonomically designed to fit the natural motion of the operator's hand. A high impact molded plastic case makes the OFI models suitable for use outside plant or in the central office.

## Features

(OFI 200 and OFI 400 models)

- Rugged, handheld, lightweight
- Accepts 250μm and 900μm coated fiber, 3mm jacketed fiber cable, and ribbon fiber
- No head swapping or adjustments
- Identifies light carrying fiber
- Low insertion loss - traffic remains uninterrupted
- Indicates direction of traffic
- Indicates Tone signal visually and audibly
- Battery operated
- Low battery indication

(OFI 200 model)

- 2kHz Tone detection - OFI 200 models

(OFI 400 model)

- 270Hz, 330Hz, 1kHz, 2kHz Tone detection
- Easy-to-read LCD display with Backlight
- Measures fiber core or relative power
- Power Off and Set Reference feature

## Applications

- Live fiber identification - used during installation, maintenance, rerouting, or restoration to positively identify fibers prior to cutting and splicing
- Tone detection
- The OFI 400 models may also be used for measuring core or relative power

The OFI 400 model is the next generation of Noyes Optical Fiber Identifiers. It has all the features of the OFI 200 model plus easy-to-read LCD display with Backlight, multiple [TONE] signal detection (270 Hz, 330 Hz, 1 kHz, or 2 kHz), power saving feature, and [Set Reference] feature. The OFI 400 model also measures and displays fiber core power or relative power on an LCD display. Both models are battery operated with the battery indication feature and perform thousands of tests before battery replacement is necessary.

## SPECIFICATIONS

Detectable signal range

FIBER TYPE	PARAMETER	WAVELENGTH, SIGNAL	OFI 200D	OFI 400
250 μm coated fiber (SMF-28 with 250 μm CPC6 coating)	Minimum detect level (average power, typical)	1310 nm, CW or Traffic	-40 dBm	-45 dBm
		1310 nm, Tone	-43 dBm	-45 dBm
	Insertion loss (typical)	1550 nm, CW or Traffic	-45 dBm	-50 dBm
		1550 nm, Tone	-50 dBm	-50 dBm
3 mm jacketed fiber (SMF-28 with 250 μm CPC6 coating and 3 mm, yellow jacket)	Minimum detect level (average power, typical)	1310 nm	0.6 dB	0.6 dB
		1550 nm	2.5 dB	2.5 dB
	Insertion loss (typical)	1310 nm, CW or Traffic	-30 dBm	-30 dBm
		1310 nm, Tone	-32 dBm	-30 dBm
		1550 nm, CW or Traffic	-33 dBm	-33 dBm
		1550 nm, Tone	-37 dBm	-33 dBm
		1310 nm	0.8 dB	1.0 dB
		1550 nm	2.5 dB	2.8 dB

## ORDERING INFORMATION

MODEL	INCLUDES	PRICE
OFI 200D	User's guide and carry case	<b>\$1,495.00</b>
OFI 400	User's guide and carry case	<b>\$1,495.00</b>

# OFI-FTTx ACTIVE ONT DETECTOR



The OFI-FTTx is a rugged, hand-held optical fiber identifier designed to identify the presence or absence of an active Optical Network Terminal (ONT) on FTTx F2 fibers at the Fiber Distribution Hub (FDH). During a test the F2 fiber does not have to be removed from service. Thus the OFI-FTTx can verify whether a splitter pigtail at the FDH is connected to an active circuit before it is disconnected for fault location or re-use. The OFI-FTTx can help verify FTTx network records and recover splitter pigtails and F2 fibers that are connected at the FDH but, in fact, are available for new customers.

When applied to a splitter pigtail at the FDH, the OFI FTTx will report either that the ONT is 'Active' or 'Not Detected'. Time to complete each test is typically one second. The OFI-FTTx is compatible with 2 or 3 mm jumper cable containing standard single-mode fiber, such as SMF-28e™, or 2 mm jumper cable containing bend insensitive fiber (BIF) with a 15 mm bend radius specification, such as AFL BendLite.

The OFI-FTTx is powered by two standard AAA alkaline batteries, provides a low battery indication, and can typically be operated 800 times before battery replacement is necessary.

## Features

- Rugged, handheld, lightweight
- In-service detection of upstream (1310 nm) activity on FTTx networks
- Determines which unparked splitter pigtails are connected to ONTs
- Does not require travel to customer (ONT) site
- Does not require disconnect of splitter pigtails
- Visual and audible indicators
- Battery operated
- Low battery indication

## Applications

- **FACILITY RECOVERY:** Harvest unparked splitter legs and F2 fibers not connected to subscribers.
- **TROUBLE-SHOOTING:** Real-time confirmation of OLT to ONT connectivity at the FDH.

## SPECIFICATIONS

MODEL	OFI-FTTx
Network Types	FTTx BPON, GPON, EPON, ≥ 1:4 splitter ratio
Network Locations	Between splitter and customer ONT
Fiber Type	2 and 3 mm jacketed SMF-28e; 2 mm jacketed, 15 mm bend radius AFL BendLite (BIF); and equivalents
Induced Loss (Typ)	< 2.5 dB (SMF-28e), < 0.8 dB (BIF) @ 1550 nm
Test Time (Typ)	1 sec
Operating Range*	Loss from ONT to FDH: 0 to 7 dB (BPON), 0 to 9 dB (GPON, EPON)
User interface	Audio indicator and four red LEDs
Power	2 x AAA batteries
Battery Life	800 tests typical
Operating Temperature	-10 to 40°C
Storage Temperature	-20 to 50°C
Dimensions (H x W x D)	8.5 x 1.5 x 1.25 in (22 x 3.8 x 3.2 cm)
Weight	0.5 lbs (0.23 kg)

\* Maximum values are typical and depend on fiber type and jacket material.

## ORDERING INFORMATION

MODEL	INCLUDES	PRICE
OFI-FTTx	OFI-FTTx, user's guide, and carry case	<b>\$1,495.00</b>

Patent Pending

# FCP1 FIBER CLEANING PACK



AFL Telecommunications offers a complete selection of Noyes brand fiber optic cleaning kits for field cleaning of connector end faces in fiber frames, adapters and on jumpers. Using our exclusive FCC2 non-hazardous cleaning fluid and CCT molded cleaning tips, the FCP1 Series of kits delivers compact, safe, easy-to-use, reliable cleaning for all types of fiber optic connector end faces including Military and Multiple Fiber Ferrule designs.

## ORDERING INFORMATION

A wide variety of pre-stocked kits make ordering easy. Choose from the following standard kits or call us at 877-529-9114 for a custom kit to meet your application needs. Each standard kit consists of a wall or rack mountable carry case, FCC2 cleaning fluid, and color-coded instructions.



Choose from the following to fill a pack that's right for you

APPLICATION	CLEANING MATERIALS	DESCRIPTION	PRICE
For cleaning connector end-faces within alignment sleeves (bulkhead adaptors, female socket connectors)	FCC2	Optical quality cleaning fluid	<b>\$11.95</b>
	CCTS-25	2.5mm cleaning tips for FC, SC, ST type standard connectors	<b>\$39.60</b>
	CCTS-12	1.25mm cleaning tips for LC, MU type small form factor connectors	<b>\$39.60</b>
	CCTS-16	1.6mm cleaning tips for 2.0mm and 1.6mm termini in military connectors and D4 connectors	<b>\$39.60</b>
For cleaning ferrule end-faces that are exposed (jumpers and patch cords)	FCC2	Optical quality cleaning fluid	<b>\$11.95</b>
	CleTOP	Reel type cleaner	<b>\$89.00</b>
	CCTP-25	Universal cleaning tip for exposed ferrule and termini end-faces on jumpers or military connectors	<b>\$19.80</b>
For cleaning alignment sleeves	FCC2	Optical quality cleaning fluid.	<b>\$11.95</b>
	ACT01	2.5mm swabs for FC, SC, ST type standard connectors	<b>\$4.27</b>
	ACT02	1.25mm swabs for LC, MU type small form factor connectors	<b>\$3.84</b>
	ACT03	2.0mm swabs for D4 connectors	<b>\$5.50</b>
Additional options	Canned air	For cleaning work area	<b>\$7.50</b>
	VS 300	Optical or video microscope for end-face inspection	<b>\$795.00</b>
	OFS 300-200		<b>\$399.00</b>
	OFS 300-400		<b>\$449.00</b>

Call 877.529.9114 for custom kit configurations



# LG SERIES SEALED SPlice CLOSURES



The AFL Telecommunications' family of Sealed Fiber Optic Splice Closures is designed to simplify splice management. Quality engineering reduces the installation time, training and complexity associated with fiber splicing in the field. No heat, adhesives, drills or powered equipment for installation or re-entry are required. These durable, easy-to-install closures will increase productivity, reduce labor expenses and last the life of your plant.

## Features

- Supports loose tube, core tube, dielectric and armored cable
- Installation and re-entry using common hand tools
- Fully sealed to protect fiber and splices
- Fully kitted with all parts to install cables
- Designed and tested to Telcordia™ GR-771 requirements
- Rural Utilities Service (RUS) Listed

## SPECIFICATIONS

PARAMETER	LG-50-U-0	LG-100-U-0	LG-200-U-0	LG-300-U-0	LG-300XL-U-0
Splice Capacity (Max.) - Single, Mass, Mechanical	24, na, na	36, 144, na	96, 288, 36	384, 1152, 108	864, 2592, na
Number of Splice Trays (Max.) Single, Mass, Mechanical	1, na, na	3, 3, na	4, 2, 3	12, 8, 8	9, 9, na
Cable Entrance Configuration	In-line / Butt	Butt	Butt	Butt	Butt
Cable Ports	2	5	5	5 (7 using dual port washers)	5 (10 using dual port washers)
Cable Sizes (Max. O.D.)	2 @ 0.60" (splice) 2 @ 1.10" (ground / bond)	5 @ 0.70"	5 @ 0.70"	3 @ 0.80" 2 @ 1.00"	3 @ 1.25" 2 @ 1.35"
Dimensions - (L x D) in. (cm)	14.00 x 4.00 (35.60 x 10.16)	18.25 x 8.75 (46.36 x 22.23)	19.00 x 8.75 (48.26 x 22.23)	28.00 x 10.00 (71.12 x 25.40)	31.00 x 12.00 (78.74 x 30.48)
Weight - lbs. (kg)	3.0 (1.36)	10.5 (4.76)	11.5 (5.23)	14 (6.35)	25 (11.34)

## ORDERING INFORMATION – STANDARD CONFIGURATIONS

MODEL #	DESCRIPTION	PART #	PRICE
LG-50-U-0	Inline and Butt Style Closure, 24 fusion splice capable, 2 cable kits for sealing retention, 1 Dual Cable Entry Port Kit, grounding terminal. Includes 2 cable grounding kits (splice tray not included).	FC000034	<b>\$95.00</b>
LG-100-U-0	Dome Closure, 36 Single or 144 mass fusion capable, 5 cable kits for sealing and retention, Grounding Terminal. No cable grounding kits, hanger brackets or splice trays.	FC000001	<b>\$162.50</b>
LG-200-U-0	Dome Closure - 96 Single or 144 mass fusion capable, 5 cable kits for sealing and retention, Grounding Terminal. No cable grounding kits, hanger brackets or splice trays.	FC000002	<b>\$187.50</b>
LG-300-U-0	Dome Closure, 384 Single or 1152 Mass fusion capable, 5 cable kits for sealing and retention (single and dual configurations for Express ports), Grounding Terminal. No cable grounding kits, hanger brackets or splice trays.	FC000009	<b>\$188.60</b>
LG-300XL-U-0	Dome Closure, 864 single or 1296 mass fusion capable, 5 cable kits for sealing and retention (single and dual cable configurations), Grounding Terminal. No cable grounding kits, hanger brackets or splice trays.	FC000010	<b>\$525.00</b>
LL-2450	Splice Tray for the LG-100, Stores 12 single fusion splices, base, cover, (2) six position splice holders, tie-wraps	91957-00	<b>\$8.00</b>
LL-4850	Splice Tray for the LG-100, Stores 8 mass fusion sleeves, base, cover, (2) four position ribbon sleeve holders, tie-wraps	91958-00	<b>\$11.00</b>
LL-1248	Splice Tray for the LG-100, Stores 12 single fusion splices or 4 mass fusion splices / 48 fibers	911221-00-00	<b>\$13.00</b>
LL-1200	Mechanical Splice Tray - Stores 12 Mechanical splices	91712-05	<b>\$18.75</b>
LL-2400	Single Fusion Splice Tray -Stores 24 Single fused fibers	91710-06	<b>\$12.00</b>
LL-2448	Universal Splice Tray - Stores 24 Single fusion or 4 Mass fusion sleeves / 48 fibers	911289-00-02	<b>\$13.13</b>
LL-4800	Mass Fusion Splice Tray -Stores 4 Mass fusion sleeves / 48 fibers	91711-07	<b>\$13.00</b>
LL-4848	Mass Fusion Splice Tray - Stores 12 Mass fusion sleeves	911437-00-02	<b>\$13.99</b>
LL-4896	Universal High Density Splice Tray for the LG-300XL - Stores 96 Single fusion splices or 24 Mass fusion sleeves / 288 Fibers	911676-00-02	<b>\$22.50</b>

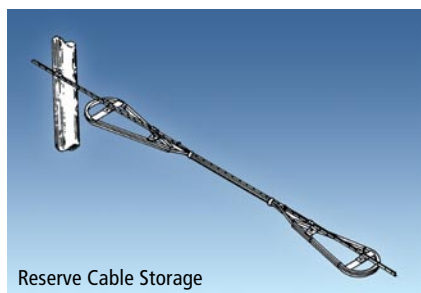
# FSU FIBER STORAGE UNITS



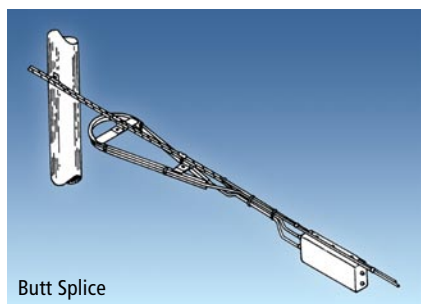
Fiber Storage Units are used to conveniently and safely store an extra length of cable along the support strand for later use. Furnished as pairs (kit contains two fiber storage units and two sets of hanger brackets), these FSU's feature all aluminum, baked acrylic enamel finish or dielectric polypropylene with UV inhibitor. All basic hardware for attachment to the support strand is provided. Strand mount support brackets meet Telcordia® specification and are REA accepted. Galvanized strand clamping devices accommodate 1/4" to 7/16" strand and meet ASTM specifications A153 and B695.

## Features

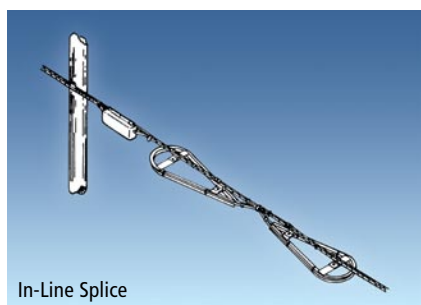
- Small profile and a side facing channel to minimize ice load
- All aluminum construction with welded cross members
- Baked acrylic enamel finish/chromate pre-finish per MIL-C-5541-B
- Contains 2% carbon black as a UV inhibitor (dielectric version)
- Basic hardware (bolts, nuts and washers) and strand mount support brackets included
- Tie-wrap slots for securing cable from sliding
- Strand mount support brackets meet Telcordia specification and are REA accepted
- Galvanized strand clamping devices accommodate 1/4" to 7/16" strand



Reserve Cable Storage



Butt Splice

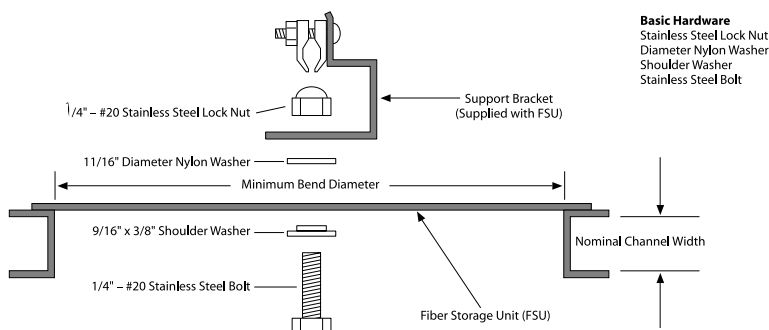


In-Line Splice

## SPECIFICATIONS

PARAMETER	FSU-10	FSU-12	FSU-16	FSU-18	FSU-20	FOSP-17-TMK (DIELECTRIC)
Nom. Channel Width in. (cm)	0.63 (1.60)	0.92 (2.34)	1.12 (2.84)	1.75 (4.45)	2.00 (5.08)	0.95 (2.41)
Min. Bend Diameter in. (cm)	10 (25.4)	12 (30.48)	16 (40.64)	18 (45.72)	20 (50.80)	17.5 (44.45)

## HARDWARE DIAGRAM



## ORDERING INFORMATION

DESCRIPTION	FSU-10	FSU-12	FSU-16	FSU-18	FSU-20	FOSP-17-TMK (DIELECTRIC)
FSU Kit Contains 1 pair FSU and 4 Mount Brackets	911107-00	911108-00	911109-00	911110-00	911944-00-00	FA000002
Replacement Mount Bracket (1 bracket, 4 req. per pair)	911115-00					
Tie Wraps (Quantity of 10)	911117-00					
<b>PRICE</b>	<b>\$43.00</b>	<b>\$46.00</b>	<b>\$48.00</b>	<b>\$53.33</b>	<b>\$60.00</b>	<b>\$45.00</b>

# FDH FIBER DISTRIBUTION HUB



The Future Access™ Fiber Distribution Hub (FDH) is designed to provide a local convergence point in the Outside Plant environment, housing optical splitters that link feeder cables from the CO to distribution cables serving customer premises. Its compact size and modular-based platform aid in installation efficiency, while keeping initial deployment costs down. This modular approach allows a service provider to incrementally grow the FDH as their take rate increases. Distribution modules are available in 72-port configurations, providing the option of incrementally populating the FDH at the onset of deployment. This results in immediate cost savings to the service provider since distribution and splitter modules can be installed as paying customers take the offered services.

The ruggedly constructed enclosure features a unique, patent-pending, dual entry door system, providing unobstructed front and side access to the inside of the enclosure without additional movement. A Telcordia GR-3125 compliant design and powder coated 1/8" Aluminum construction guarantee durability and reliability, even in the harshest environmental conditions.

Intuitive fiber management is a key element of the Future Access™ FDH. The intuitive nature of the routing scheme minimizes training requirements, and allows for the initial deployment (and any unforeseen repositioning of previously deployed fibers) to be executed with the utmost efficiency.

Each Future Access™ FDH features a self-locking internal swinging "L" frame, which houses distribution and splitter modules, and provides management of all jumper cordage installed into the FDH. In conjunction with the dual-door enclosure. This provides unobstructed rear access for future maintenance requirements.

Central to the functionality of the Future Access™ FDH is the splitter module. This splitter module is universal to all Future Access™ Fiber Distribution Hubs, resulting in shorter lead times and less inventory for the provider to manage. They feature AFL's Bend Insensitive fiber, minimizing the chance of signal loss due to high traffic/ densely packed patch panel routing installations. A self-locking latch securely holds the module into the FDH, and increases efficiency with a tool-less installation.

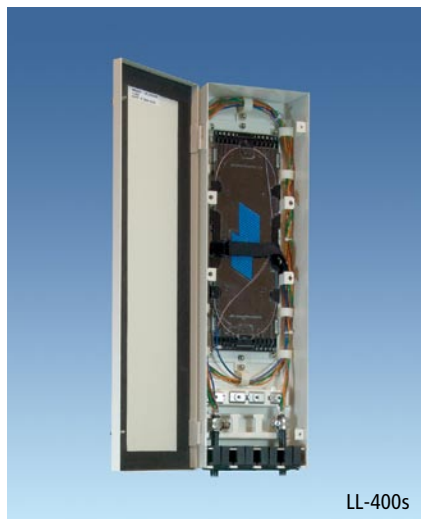
## Features

- Modular distribution platform allows for incremental deployment costs and immediate cost savings
- Small size is unobtrusive in residential deployments
- Enhanced fiber management provides simplified routing and termination of fiber pigtailed
- Dual-door entry allows easy access to distribution and fiber management fields
- Flexible pad, pole, and optional post mounting options for deployment in the most convenient location

## SPECIFICATIONS

PARAMETER	VALUE	
	72 / 144 / 216 / 288 FIBER	360 / 432 FIBER
Configuration	Pad, Pole, or Post* Mount	Pad, Pole, or Post* Mount
Height (pole mount)	26"	33"
Height (pad mount)	38"	45"
Dimension (W x D)	20" x 20"	20" x 20"
Connector Type	SC-APC	SC-APC
Cable Type	Loose Tube or Ribbon	Loose Tube or Ribbon
Splitter Module Capacity	9 Modules	14 Modules
Parking Lot Capacity	64	128
Color	Standard Electric Ivory	Standard Electric Ivory

# LL-400s ENCLOSURE



LL-400s

The LL-400s Fiber Optic Splicing and Distribution Enclosure provides for organizing, splicing, and interconnecting fibers in FTTx, broadband, distribution, and building entrance applications. Each LL-400s enclosure features a scratch resistant powder coated aluminum base and a fully gasketed cover. A unique self-sizing grommet design allows for express and preterminated cable installation. The LL-400s is a butt-style enclosure equipped with four independent cable entry/exit grommets, used for outdoor pedestal or indoor building entrance and riser splicing applications. The unit supports a maximum storage and splicing capacity of up to 72 single or 144 mass-fused fibers.

## Features

- Independent cable strain relief system
- Cable entry/exit grommet seals
- Removable hinged front cover
- Fiber routing system
- Splice tray support system
- 72 single fusion splices
- 144 mass fusion splices



LL-400s installed in pedestal

## SPECIFICATIONS

PARAMETER	VALUE
Material	Chassis – aluminum
Coatings	Electrostatically applied, powder coat
Color	Antique white
Dimensions (H x W x D) in. (cm)	21.63 x 6.63 x 3.25 (54.94 x 16.84 x 8.26)
Weight lbs. (kg)	4.74 (1.77)

## ORDERING INFORMATION

DESCRIPTION	PART #	PRICE
LL-400s	FM000639	<b>\$100.00</b>
LL-400s with (2) multi-drop grommets	FM000618	<b>\$110.00</b>
LL-4005 in 1010 Pedestal	FM000777	<b>\$285.00</b>

## ACCESSORIES

DESCRIPTION	PART #	PRICE
LL-4848 Mass Fusion Splice Tray	911437-00-02	<b>\$13.99</b>
LL-2448 Universal Splice Tray	911289-00-02	<b>\$13.13</b>
LL-2400 Single Fusion Splice Tray	91710-06	<b>\$12.00</b>

# LL-500 ENCLOSURE



LL-500



LL-500 with LL-2450 installed

The LL-500 Optic Splicing and Distribution Enclosure provides for organizing, splicing, and interconnecting fibers in broadband, distribution, and building entrance applications. The enclosure features a scratch and corrosion resistant powder paint coating base and a fully gasketed hinged cover. A unique self-sizing grommet design allows for express and pre-terminated cable installation. The LL-500 supports up to five LL-2450 splice trays or three LL-4850 splice trays (not included in base unit) and an optional 12 fiber, hinged Interconnect Module.

## Features

- NEMA 3 rated enclosure
- Independent cable strain relief system
- Cable entry/exit grommet seals
- Fiber routing system
- Splice tray support system
- Hinged cover
- Supports optional Interconnect Modules
- Interconnect Module supports up to 12 SC bulkhead adapters
- Accomodates "Field Couplers" with optional Splitter housing Attachment (P/N 91944-00)
- Secured with a standard padlock
- 4 cable ports with standard grommets
- 8 cable ports with optional expansion kits

## SPECIFICATIONS

PARAMETER	VALUE
Material	Steel
Coatings	Electrostatically applied, powder coat
Color	Antique white
Dimensions (H x W x D) in. (cm)	17.5 x 9.0 x 4.0 (44.45 x 22.86 x 10.16)
Weight lbs. (kg)	6.5 (2.95)

## ORDERING INFORMATION

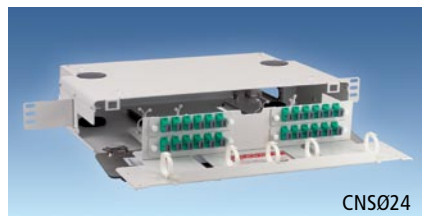
DESCRIPTION	PART #	PRICE
LL-500-U-0	FM000326	<b>\$100.00</b>
LL-500 Interconnect Kit with SC UPC adapters	FM000385	<b>\$60.00</b>
LL-500 Interconnect Kit with SC APC adapters	FM000407	<b>\$60.00</b>
LL-500 Interconnect Kit without adapters	FM000408	<b>\$30.00</b>

## ACCESSORIES

DESCRIPTION	PART #	PRICE
LL-2450 Single Fusion Splice Tray (stores 12 single fusion splices)	91957-00	<b>\$8.00</b>
LL-4850 Mass Fusion Splice Tray (stores 8 mass fusion sleeves - 96 fibers)	91958-00	<b>\$11.00</b>
Dual Grommet Cable Expansion Kit (2 Grommets)	911386-00-01	<b>\$10.00</b>



# LANSYSTEM™ PATCH AND SPLICE PANELS



CNS024

AFL Patch and Splice Panels are rack mountable and designed to accommodate up to 144 fiber terminations (standard density) or 288 fiber terminations (high density) and up to 288 single fusion splices using double density splice trays. They provide a compact and versatile method of splicing and connectivity. Standard panels are available in empty, loaded and unloaded versions. Unloaded panels include adapter plates, adapters and splice drawers. Loaded panels also include pigtails (< 3 Meters).



CNS048



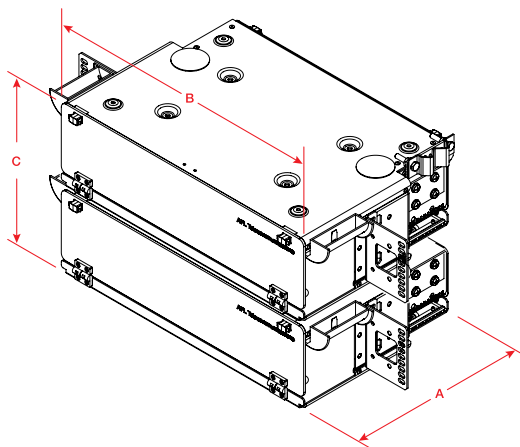
CNS144

## Specifications

- Telcordia GR-63 NEBS tested
- Aluminum Material per ASTM B209
- Central Office White, Black, Texture Powder Coated
- Universal Mounting Bracket - WECO, EIA
- 19" and 23" rack compatible
- Fiber storage capacity is one meter per spliced fiber (3mm jacket)
- CNS-012 and CNS-024 have an integral splice tray, others use STF-48 splice tray

## Applications

- Telecommunication Closets
- Data Centers
- Customer Premise
- Local Area Networks
- Wide Area Networks
- Central Offices
- Hubs
- Cabinets
- Remote Terminals



## DIMENSIONS

MODEL	DEPTH (A) (INCHES)	WIDTH (B) (INCHES)	HEIGHT (C) (INCHES)	RACK UNITS	CAPACITY (STD/HIGH)	MATERIAL GAUGE	PRICE
CNS012P	11	17	1.75	1	12/24	2.03mm	\$120.95
CNS024P	11	17	3.50	2	24/48		\$164.73
CNS048P	11	17	10.5	6	48/96		\$295.59
CNS072P	11	17	12.25	7	72/144		\$299.63
CNS096P	11	17	12.25	7	96/na		\$299.63
CNS144P	11	17	14	8	144/na		\$311.71
CNS144HD	11	17	15.75	9	288/na		\$311.71

# LANSYSTEM™ PATCH PANELS



CON012



CON048



CON144

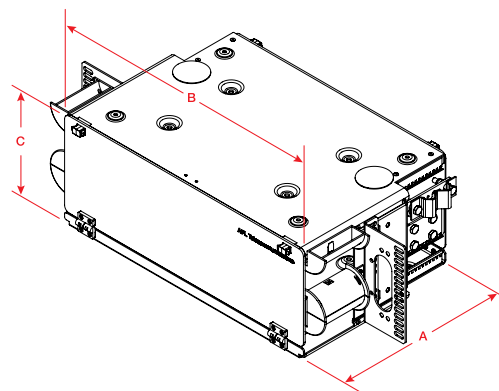
AFL Fiber Termination Patch Panels are used where termination and connectivity of up to 144 fibers (standard density) or 288 (high density) is desired. The panels are designed to accommodate LGX® (170 mm) compatible adapter plates. Standard panels are available in empty, loaded and preterminated versions. Loaded panels include adapters and adapter plates. Preterminated panels include adapters, adapter plates and standard OFNR cable. The fiber stub for preterminated panels exits the right rear of the unit facing up.

## Applications

- Telecommunication Closets
- Data Centers
- Customer Premise
- Local Area Networks
- Wide Area Networks
- Central Offices
- Hubs
- Cabinets
- Remote Terminals

## Specifications

- Telcordia GR-63 NEBS Tested
- Aluminum Material per ASTM B209, Standard Front Cover Lexan
- Central Office White or Black, Textured Powder Coat Paint
- Universal Mounting Bracket WECO, EIA
- 19" and 23" Rack Compatible



## DIMENSIONS

MODEL	DEPTH (A) (INCHES)	WIDTH (B) (INCHES)	HEIGHT (C) (INCHES)	RACK UNITS	CAPACITY (STD/HIGH)	UNLOADED WEIGHT	MATERIAL GAUGE	PRICE
CON012P	11	17	1.75	1	12/24	4.0 lbs.	2.03 mm	<b>\$120.95</b>
CON024P	11	17	3.50	2	24/48	6.2 lbs.	2.03 mm	<b>\$164.73</b>
CON048P	11	17	5.25	3	48/96	8.4 lbs.	2.03 mm	<b>\$165.85</b>
CON072P	11	17	7.00	4	72/144	9.0 lbs.	2.03 mm	<b>\$167.20</b>
CON096P	11	17	7.00	4	96/na	9.0 lbs.	2.03 mm	<b>\$167.20</b>
CON144P	11	17	8.75	5	144/288	9.0 lbs.	2.03 mm	<b>\$178.60</b>

# LIGHTLINK™



## OPTINID OPN-1224 OPTICAL DEMARCATION CLOSURE

### Features

- Capacity for up to two 118 LGX compatible adapter plates
- Weather-resistant thermoplastic alloy
- Self-latching, hinged cover design allows easy access without loose parts
- Self-sealing individual entrance ports prevent water and insects from entering
- Provider override is provided so that technician can override customer lock
- Locations available on front cover for custom logos

### SPECIFICATIONS

PARAMETER	VALUES
Dielectric Strength	Minimum 2500 Vrms for 1 minute
High Temperature Storage/Mold Stress °F (°C)	14 days at 159 (70.55)
Temperature Cycling with Humidity °F (°C)	150 day cycling from 40-140 (4.44-60) with 95% RH
Impact Test °F (°C)	-40 (-40), 5*/lbs. on all external surfaces
Drop Test °F (°C)	-40 (-40), 5* (12.7 cm) onto concrete surface 4 times
Rain	24 hours at 10 psi
UV Resistance (Days Exposed)	60 per ASTM-G26-84
Salt Fog (Days Exposed)	60 per ASTM-BLL7-90
Flammability	UL94-5V
Chemical Resistance 30 Days at 100 °F and 95% RH Subject to:	Resists chipping and/or cracking when subject to: house paint, wasp spray, sulfuric acid, kerosene and sodium hydroxide
Material	U.L.® listed flame retardant thermoplastic alloy
Dimensions (H x W x D) in. (cm)	12.25 x 12.25 x 5.25 (22.80 x 22.80 x 7.60)
Cable Entrances in. (cm) diameter - Output	5 x 0.625 (1.5)
Cable Entrances in. (cm) diameter - Input	1 x 0.625 (1.5), 1 x 0.250 (0.6) (ground wire)
Covers	Standard - molded-in snap finger and "F" termination

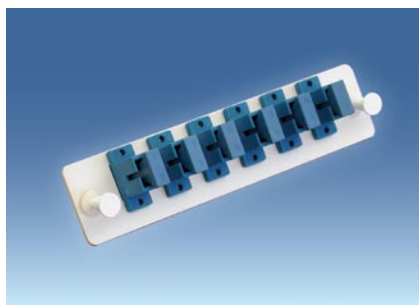
### ORDERING INFORMATION

DESCRIPTION	MODEL #	PART #	PRICE
OptiNID-1224 (includes slice tray, does not include adapter plates)	OptiNID-12 SC NTT	DM000183	<b>\$60.16</b>

### ORDERING INFORMATION – ADAPTER PLATES

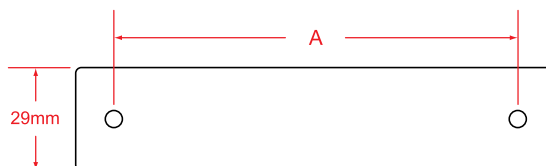
DESCRIPTION	LGX 118 - WHITE	LGX 118 - BLACK	PRICE
Blank Filler Panel	C215503	C215507	<b>\$5.16</b>
<b>SINGLEMODE (CERAMIC)</b>			
SCU 6-pack Simplex	C215602	C215611	<b>\$31.00</b>
SCA 6-pack Simplex	C215638	C215644	<b>\$31.00</b>
STU 6-pack Simplex	C215962	C215971	<b>\$25.00</b>
STU 12-pack Simplex	C223564	C223571	<b>\$45.00</b>
SCU 3-pack Duplex (6 Fiber)	C215512	C2152521	<b>\$25.00</b>
SCU 6-pack Duplex (12 Fiber)	C219604	C220853	<b>\$48.00</b>
LCU 6-pack Duplex (12 Fiber)	C215989	C215993	<b>\$53.00</b>
<b>MULTIMODE (METAL)</b>			
SC 6-pack Simplex	C215626	C215633	<b>\$28.00</b>
ST 6-pack Simplex	C215968	C215975	<b>\$18.00</b>
ST 12-pack Simplex	C223567	C223576	<b>\$25.00</b>
SC 3-pack Duplex (6 Fiber)	C215536	C215543	<b>\$23.00</b>
SC 6-pack Duplex (12 Fiber)	C220435	C219598	<b>\$46.00</b>
LC 6-pack Duplex (12 Fiber)	C215998	C216004	<b>\$53.00</b>
MTRJ 6-Pack	C216079	C216083	<b>\$44.00</b>

# LIGHTLINK™ ADAPTER PLATES



LightLink Adapter Plates add versatility to the AFL Telecommunications' panel product line. Adapter plates are compatible with industry standard platforms allowing for easy upgrades of existing panels. Adapter Plates come preloaded and are available in 6, 8, and 12 pack versions.

## SPECIFICATIONS



DIMENSION A	
118mm	LGX®
130mm	LGX®
170mm	LGX®

## Features

- Metal Plate with Nylatches
- Polyurethane powder coated (CO white or Black)
- LGX® compatible

### MULTIPLE UNIT ORDERING OPTION

To order multiple units of the same part, select the base number from the ordering charts and add the quantity extension.

Example: FM000086 – 12Z

### ORDERING MULTIPLE UNITS

1 = 1	6 = 6
2 = 2	8 = 8
3 = 3	12 = 12
4 = 4	XX = Specify

## ORDERING INFORMATION

### LGX® COMPATIBLE PLATES

PART NUMBER	PLATE CAPACITY / STYLE	PLATE COLOR	PLATE FOOT PRINT	ADAPTER ORIENTATION	ADAPTER TYPE	ADAPTER PART NUMBER	ADAPTER COLOR	SLEEVE MATERIAL	PRICE
C215512	3 SC Duplex	White	LGX 118	Vertical	SC SM	C092258	Blue	Ceramic	\$25.00
C215543	3 SC Duplex	Black	LGX 118	Vertical	SC MM	C209383	Beige	Metal	\$23.00
C215521	3 SC Duplex	Black	LGX 118	Vertical	SC SM	C092258	Blue	Ceramic	\$25.00
C220853	6 SC Duplex	Black	LGX 118	Angled	SC SM	C096266	Blue	Ceramic	\$43.00
C220849	6 SC Duplex	White	LGX 118	Angled	SC SM	C096266	Blue	Ceramic	\$48.00
C219598	6 SC Duplex	Black	LGX 118	Angled	SC MM	C209383	Beige	Metal	\$46.00
C215602	6 SC Simplex	White	LGX 118	Straight	SC SM	C028851	Blue	Ceramic	\$31.00
C215611	6 SC Simplex	Black	LGX 118	Straight	SC SM	C028851	Blue	Ceramic	\$31.00
C215629	6 SC Simplex	Black	LGX 118	Straight	SC MM	C209560	Beige	Ceramic	\$31.00
C215962	6 ST Simplex	White	LGX 118	Straight	ST SM D Mount	C094994	Plated metal	Ceramic	\$25.00
C215975	6 ST Simplex	Black	LGX 118	Straight	ST MM D Mount	C096377	Plated metal	Metal	\$18.00
C223564	12 ST Simplex	White	LGX 118	Staggered	ST SM D Mount	C094994	Plated metal	Ceramic	\$45.00
C223576	12 ST Simplex	Black	LGX 118	Staggered	ST MM D Mount	C096377	Plated metal	Metal	\$25.00
FM000289	3 LC Duplex	White	LGX 118	Straight	LC SM	C178298	Blue	Ceramic	\$30.00
FM000292	3 LC Duplex	Black	LGX 118	Straight	LC MM	C203956	Beige	Metal	\$30.00
C215989	6 LC Duplex	White	LGX 118	Straight	LC SM	C178298	Blue	Ceramic	\$53.00
C216004	6 LC Duplex	Black	LGX 118	Straight	LC MM	C203956	Beige	Metal	\$53.00
C216083	6 MTRJ	Black	LGX 118	Straight	MTRJ MM	C196855	Beige	N/A	\$44.00
C215503	Blank	White	LGX 118	N/A	N/A	N/A	N/A	N/A	\$5.00
C215507	Blank	Black	LGX 118	N/A	N/A	N/A	N/A	N/A	\$5.00

LGX is a registered trademark of Furukawa Electric North America, Inc.

# FAST™ CONNECTORS



AFL's new FAST™ Connectors are pre-polished, field installable connectors that eliminate the need for hand polishing in the field. FAST™ Connectors provide an immediate termination to either single-mode or multimode fibers and are color-coded for ease of fiber identification. Connectors for Laser Optimized 50µm (10G) fibers are also available.

FAST™ Connectors feature a pre-stubbed factory-polished ferrule that couples to the fiber being terminated. Precision mechanical alignment insures low loss with a proprietary gel. A factory-installed wedge clip (included with each connector) holds the clamping mechanism open while the fiber is inserted. Once the fiber is in place, the wedge clip is removed and discarded. No special assembly tools required!

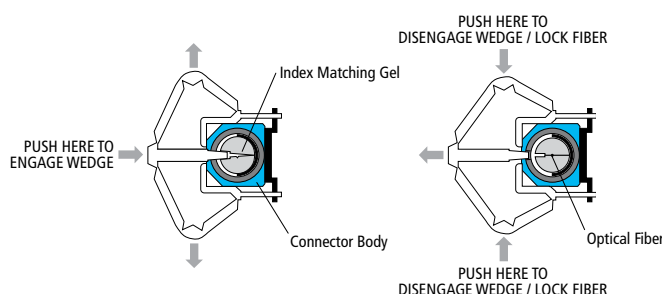
## Features

- Easy assembly process
- Fiber can be resealed
- No expensive tools required
- No epoxy required
- Factory polishing eliminates loss concerns
- Meets TIA/EIA 568A performance requirements
- Meets TIA/EIA 604 (focis) connector interface specifications

## Applications

- Premise environments
- Connections at the desk for LAN environments
- Patch panels
- Direct equipment termination
- Fiber to the Subscriber (FTTx) applications
- Repair/replacement requirements
- Equipment test leads

## OPERATION



## SPECIFICATIONS

PARAMETER	VALUE								
Insertion Loss:	<table border="0"> <tr> <td>Single-mode</td> <td>Average: 0.2dB, Maximum: 0.5 dB</td> </tr> <tr> <td>62.5/125</td> <td>Average: 0.1dB, Maximum: 0.5 dB</td> </tr> <tr> <td>50/125</td> <td>Average: 0.1dB, Maximum: 0.5 dB</td> </tr> <tr> <td>50/125 LO</td> <td>Average: 0.1dB, Maximum: 0.5 dB</td> </tr> </table>	Single-mode	Average: 0.2dB, Maximum: 0.5 dB	62.5/125	Average: 0.1dB, Maximum: 0.5 dB	50/125	Average: 0.1dB, Maximum: 0.5 dB	50/125 LO	Average: 0.1dB, Maximum: 0.5 dB
Single-mode	Average: 0.2dB, Maximum: 0.5 dB								
62.5/125	Average: 0.1dB, Maximum: 0.5 dB								
50/125	Average: 0.1dB, Maximum: 0.5 dB								
50/125 LO	Average: 0.1dB, Maximum: 0.5 dB								
Return Loss (Single-mode)	Average: 56.4 dB, Maximum: 45 dB								
Operating Temperature	-40°C to +75°C								

# FAST™ CONNECTOR TOOL KIT



CT-30A Universal Cleaver (Included in CS001201 Kit)

The FAST™ Connector Tool Kit provides all the necessary installation tools required for fiber preparation of 250µm or 900µm fibers applied to AFL's new pre-polished FAST® connectors. Included in the kit is the new Universal multimode/single-mode cleaver (CT-30A), AFL's premier cleaver with a 16 position blade and built-in fiber scrap collector. The tool kit effectively contains all the industry standard termination tools and still permits an adequate storage area for extra FAST connectors for on-site convenience.

## Features

- Industry standard fiber preparation tools
- Compact design, flexible but rugged case
- Complete instructions provided

## Applications

- Premise environments
- LAN fiber to the desk environments
- Patch Panel/Wiring Closets
- FTTx applications
- Quick repair/replacement areas

## FIELD MASTER® CONNECTORS



Field Master® Connectors for field termination of fiber optics feature high precision, high reliability and low applied connector cost. Durable metal components, industry-standard connector designs, and proven crimp technology give the customer peace-of-mind that their installed network is steady and reliable. Field Master® Tool Kits come complete with all necessary tools and consumables for the professional installation of Field Master® Connectors.

### Features

- High precision ceramic ferrules insure fiber alignment and repeatable performance.
- Rugged metal connector bodies provide sturdy cable terminations.
- Industry standard interfaces allow interoperability with media equipment.
- Meets EIA/TIA 568A performance requirements.
- Field proven crimp technology improves connector/cable tensile performance.

### Applications

- Premise environments
- Desk for LAN environments
- Patch panels
- Direct equipment termination
- Fiber to the Subscriber (FTTx) applications
- Repair / replacement requirements

## FIELD MASTER® TOOL KIT



Field Master® Tool Kit comes with tools and consumables to professionally install Field Master® connectors. Crimp Tool sold separately.

### Features

- Quick and easy-to-use
- Compact
- Complete instructions included
- For use with SC, ST, and LC Field Master® Connectors

ITEM DESCRIPTION	PART NUMBER	PRICE
Field Master® Tool Kit	FM000065	<b>\$467.23</b>
Kit Includes (tools and consumables):		
Cable Prep Template	FM000426	<b>\$6.41</b>
Yellow polish film, 3.0µm (10 per pack)	C006907-10	<b>\$6.37</b>
Pink polish film, 1.0µm (10 per pack)	C006913-10	<b>\$5.21</b>
Pink diamond film, 3.0µm	C078700	<b>\$9.18</b>
Rubber polishing pad (5")	C015407	<b>\$79.41</b>
Sharpie® permanent marker	C015830	<b>\$2.67</b>
Jacket stripper	C015687	<b>\$14.31</b>
Buffer stripper	C015296	<b>\$53.40</b>
Kevlar cutter	C095257	<b>\$76.99</b>
Scribe tool	C182635	<b>\$61.75</b>
Polishing puck - SC, ST	CS000446	<b>\$69.64</b>
Polishing puck - LC	CS000338	<b>\$69.64</b>
Cletope stick cleaner	C008812	<b>\$4.27</b>
Fiber preparation fluid	FPF1-00	<b>\$13.57</b>
Applicator tips for adhesive	C006037	<b>\$23.07</b>
Water bottle (1 oz.)	C015849	<b>\$12.81</b>
Field installable adhesive with MSDS (1.75 oz.)	C180691	<b>\$17.83</b>
Field installable primer with MSDS (1.75 oz.)	C181310	<b>\$15.43</b>
Cloth wipes	34-155	<b>\$1.40</b>

# PREMISE FIBER CABLE



AFL's "Fiber-In-A-Box" solution offers contractors lightweight, easy-to-use cable packaging with "out of the box" disbursement of fiber cable. No reel supports or pay-off's are required. Simply set the box down in a convenient place, unlock the built-in braking mechanism and begin pulling. Adjust the braking mechanism to apply the amount of pulling tension required. Stack and configure boxes together to disburse cable from several reels at the same time. Available in 1000, 2000 and 3000 foot lengths, this unique cable package solution will save contractors valuable time and cost.

## Features/Benefits

- Easy count printing - descending marks (feet or meters) indicating amount of cable remaining on reel
- Light weight and easy to transport with grips on both sides of the box for easy handling
- Eliminates the need for reel supports and cable spooling equipment
- Unique braking mechanism allows reel to be locked in place within carton during transport and provides control of tension during cable pulls
- Boxes can be stacked and configured to support easy pay-off of multiple cable runs
- Warning under feed-through slot reminds installers of proper pulling methods for optical cable
- Factory packaging ensures cable is not "over-stressed" in non-factory cable cutting operations where personnel may not be sensitive to proper handling of fiber optic cable
- Available in 1000, 2000 and 3000 foot lengths, depending on cable diameter
- Easy access to reel from top allows installers to repackage excess cable pulled from box
- Easy way to organize, store and manage short lengths of excess cable



## Applications

- Horizontal cabling / Fiber-to-the-Desk
- Fiber Drops within MDU's
- Short to medium length cable runs between buildings

## ORDERING INFORMATION

Add suffix "-XMFBOX" to part number to specify "Fiber-In-A-Box" solution where X indicates length of the cable in thousands of feet (1, 2, or 3).

AFL Cables available for purchase with "Fiber-In-A-Box" packaging solution:

FIBER COUNT	CABLE TYPE	MF – THOUSANDS OF FEET
1	Simplex, 3mm	1, 2, 3
2	Zipcord, 3mm	1, 2
2	Dual-Link (Round), 4.8mm	1
4	Quad-Link	1
6, 8, 12	Circular Premise Cable	1
2, 4, 6	Indoor/Outdoor Tight Buffered Cable (Plenum or Riser)	1
2	High Impact Indoor Cable	2
4, 6, 8, 12	High Impact Indoor Cable	1

Call **877.529.9114** or email [sales@fiberoptic.com](mailto:sales@fiberoptic.com) for Pricing

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#### EXPERIENCE

- We have experience training various personnel ranging from AT&T and Verizon to the US Military, Government Officials and Contractors.
- Aside from the US, we have trained in locations in South America, Africa and the Middle East.

#### EXPERTISE

- BICSI Certification
- ETA (Electronics Technician Association) Certification
- FiberOptic.com (FOM) Certification

#### VALUE

- Fair and competitive pricing.
- Custom training available.
- On-site training available.
- Courses approved for continuing education credits.
- Gain exposure to various equipment from top manufacturers, including: Sumitomo, AFL, Fujikura, Multilink, Hoffman, Fitel, EXFO and Noyes.
- Continuing relationship with FiberOptic.com provides you with project assistance, rental solutions, tools and troubleshooting.

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