

Fiber Cleavers

A LANscape® Solutions Product

Corning
Cable Systems

FBC-001

The least expensive of all Corning Cable Systems cleavers, the FBC-001 is adequate ($\leq 2^\circ$) for cleaving fiber ends for OTDR access (through a lab splice or XYZ stage), multimode and single-mode mechanical splicing, and UniCam® Connector installation.



FBC-001 Fiber Cleaver | Photo SEH131

FBC-006

This cleaver provides smooth, flat, perpendicular fiber end-faces (typically $< 0.7^\circ$) necessary for low-loss fusion or mechanical splicing. Fast and easy to use, it produces high-quality, repeatable cleaves for multimode and single-mode fibers in one simple step. The unit cleaves all 250 μm coated fibers and 900 μm buffered fibers.



FBC-006 | Photo FSP551292

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FBC-005

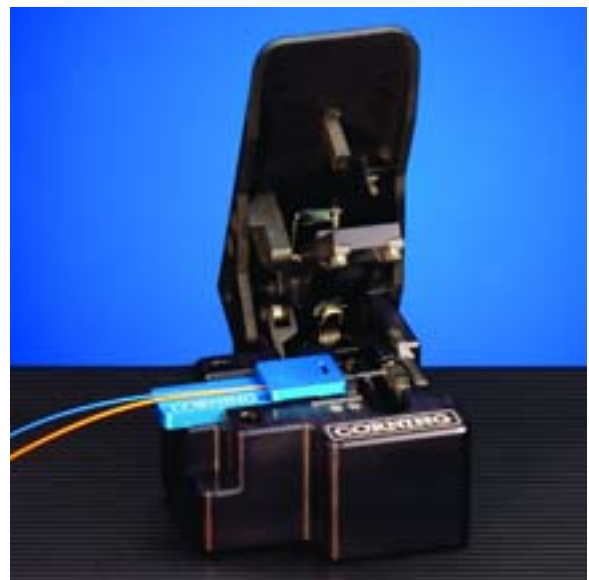
This cleaver consistently provides cuts averaging less than 0.5° from perpendicular with 95 percent less than 1° . With superior reliability, this field cleaver offers laboratory quality and performance. Featuring unrivaled durability and dependability for manufacturing, the cleaver's simple, one-step operation makes it easy to use.



FBC-005 Fiber Cleaver | Photo HWPSS928

FBC-012

Corning Cable Systems FBC-012 Mass Fiber Cleaver provides excellent cleaves of one to 12 fibers using a simple one-step operation. The cleaver comes with a universal single-fiber guide that may be used when cleaving single fibers. The guide can be removed to allow the cleaver to hold most common fiber handling adapters of mass fusion splicers or fiber handlers for UniCam® Connector installation. The 12-position blade can be easily replaced in the field.



FBC-012 Fiber Cleaver | Photo LAN359

Specifications

FBC-001

Dimensions (H x W x D) 120 x 20 x 40 mm (4.75 x 0.75 x 1.5 in)

Weight Approximately 100 g (3 oz)

Bare Fiber Diameter 100 to 140 µm

Fiber Type Multimode or single-mode

Blade Type Ceramic

Blade Life Typically more than 1,000 cleaves

Minimum Bare Fiber Length 3 mm (loose tube and tight-buffered)

FBC-006

Dimensions (H x W x D) 7 x 7 x 4 cm (2.75 x 2.75 x 1.5 in)

Weight 0.12 kg (0.3 lb)

Bare Fiber Diameter 80 to 140 µm

Fiber Type Multimode or single-mode

Blade Type Diamond

Blade Life Approximately 5,000 cleaves (field-replaceable)

Minimum Bare Fiber Length 1 mm (loose tube and tight-buffered)

FBC-005

Dimensions (H x W x D) 77 x 70 x 134 mm (3 x 2.75 x 5.25 in)

Weight 546 g (1.2 lb)

Bare Fiber Diameter 100 to 140 µm

Fiber Type Multimode or single-mode

Blade Type Diamond

Blade Life Approximately 10,000 cleaves (factory-replaceable)

Minimum Bare Fiber Length 3.5 mm (loose tube and 500 µm tight-buffered)
10 mm (900 µm tight-buffered)

FBC-012

Dimensions (H x W x D) 95 x 72 x 55 mm (3.7 x 2.8 x 2.2 in)

Weight 0.5 kg (1.1 lb)

Bare Fiber Diameter 125 µm nominal

Fiber Type Multimode or single-mode,

Blade Type Carbide

Blade Life Approximately 2,000 12-fiber cleaves; 12,000 2-fiber cleaves or
24,000 single-fiber cleaves (field replaceable)

Equipment Rental Services

An Evolant® Solutions Product

Corning
Cable Systems

Description

Renting fiber optic equipment is an attractive option to installers who require equipment for a particular installation project or a small, one-time job. To aid installation of fiber optic cabling solutions, Corning Cable Systems rents a variety of equipment, including state-of-the-art Corning Cable Systems Fusion Splicers, Optical Time Domain Reflectometers (OTDRs), Attenuation Test Sets and other equipment.

Product specification literature and rental policies are available from Corning Cable Systems Customer Service by calling 1-800-743-2673.

Features / Benefits

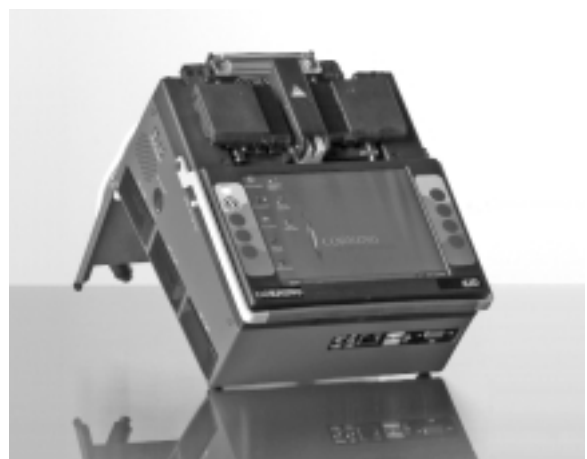
- Manufacturer-maintained in top condition
- Daily, weekly, monthly and multi-month rental rates
- Latest equipment technology
- Large inventory
- Next-day delivery is standard procedure
- Special rates for multiple equipment rentals
- Special discounts for certified Program members; call customer service for details
- 24-hours-a-day, 7-days-a-week technical support provided by experienced engineers and technicians; call 1-800-743-2671
- Spanish-speaking support available on request during business hours
- Equipment selection assistance by phone
- Why rent?
 - No capital expenditures
 - Expense rental cost to each project
 - Pay for equipment only when needed
 - Try out new equipment before you buy



Photo | LAN 168



Model 500 Optical Multitester | Photo LAN681



OptiSplice™ Premier iLID Fusion Splicer | Photo LAN680



Product Specifications

Fiber Optic Equipment Rentals

Part Number	Description
Optical Time Domain Reflectometers (OTDRs)	
R500DM/DS	Model 500 Optical Multitester OTDR with Dual Multimode (850/1300 nm) / Dual Single-mode (1310/1550 nm)
R400DM/DS	OptiVisor™ 400 OTDR Multimode and Single-mode
R340DM/DS	340 Series OTDR Dual Multimode (850/1300 nm) / Dual Single-mode (1310/1550 nm)
R340DM	340 Series OTDR Dual Multimode (850/1300 nm)
R340DS	340 Series OTDR Dual Single-mode (1310/1550 nm)
R340-1625	340 Series OTDR Single-mode (1625 nm)
Fusion Splicers	
RiLID	OptiSplice™ Premier iLID Fusion Splicer
RM90	M90 Fusion Splicer with cleaver and heat-shrink oven
RX77	X77 Fusion Splicer with cleaver and heat-shrink oven
RMINIMASS	miniMASS® Micro Fusion Splicer with stripper, cleaver and heat-shrink oven
Test Sets	
Each set includes two sources and two meters.	
RTESTSETSM/MM	Test Set, Dual Multimode (850/1300 nm) / Dual Single-mode (1310/1550 nm)
RTESTSETMM	Test Set, Dual Multimode (850/1300 nm)
RTESTSETSM	Test Set, Dual Single-mode (1310/1550 nm)
Jumpers	
RACCJUMPM	Multimode Access Jumper, 50 m (specify 50 µm or 62.5 µm and connector type)
RACCJUMPSM	Single-mode Access Jumper, 200 m (specify connector type)
RREFJUMPSM	Four Single-mode Reference Jumpers (specify connector type)
Talk Sets	
RTALKSET	smallTALK® Fiber Communicator (FC connectors)
Tool Kits	
RUNICAM	Tool Kit for field-installable UniCam® ST® compatible, SC, LC and MTP® Connectors
RANAEROBIC	Tool Kit for field-installable ST compatible, SC, and LC Anaerobic Connectors
Visual Fault Locators	
RVFL	Visual Fault Locator for field terminations
RCHECKPOINT	CheckPoint™ Fiber Identifier for live traffic



Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA

800-743-2675 • FAX: 828-901-5973 • International: +1-828-901-5000 • <http://www.corning.com/cablesystems>

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CORNING CABLE SYSTEMS

RENTAL TERMS AND CONDITIONS

CORNING CABLE SYSTEMS LLC ("LESSOR") ACCEPTS YOUR ORDER ON THE EXPRESS CONDITION THAT YOU ("LESSEE") ASSENT TO THE TERMS AND CONDITIONS BELOW (THE "CONTRACT"), AND NO OTHERS. YOUR ACCEPTANCE AND RECEIPT OF LESSOR'S GOODS AND SERVICES SHALL CONSTITUTE YOUR ASSENT TO THE CONTRACT. LESSOR SHALL NOT BE BOUND TO LESSEE'S DIFFERENT OR ADDITIONAL TERMS UNLESS LESSOR ACCEPTS SUCH TERMS IN WRITING.

RENTAL PERIOD: All rental periods begin the day the equipment is shipped from the Lessor and end on the day the equipment returns to the Lessor (including Saturdays but excluding Sundays), whether or not such period is covered by Lessee's purchase order. Lessee agrees to issue an additional purchase order for any such period not covered by the initial purchase order. Unless the Lessee gives Lessor written notice of each defect within 48 hours after receipt of a rented item, it shall be conclusively presumed that the item was delivered in good condition.

SURRENDER: Upon the expiration or mutually agreed upon earlier termination of lease, with respect to any item of equipment, Lessee shall return the same to Lessor in good repair, condition and working order, ordinary wear and tear resulting from proper use thereof alone excepted, as may be specified by Lessor.

FOB POINT FOR OUTGOING SHIPMENTS: All equipment will be FOB Lessor's Inventory Center.

FOB POINT FOR INCOMING RETURN SHIPMENTS: All returning equipment will be FOB Lessor's Receiving Dock specified at the time of order. If not specified, Lessor's shipping point is implied.

INSURANCE: The Lessee is responsible for insurance during the rental period. The Lessee is responsible for loss or damage to equipment from the FOB Point until it is received or returned to the Lessor.

RENTAL RATES: The period rental rate is based upon the minimum term. Lessee shall not have the right to cancel the rental of the equipment prior to the expiration of said minimum term upon which a rental is based. If for any reason (including, without limitation, termination by Lessor following a default by Lessee) such rental shall be terminated prior to the expiration of said minimum term, Lessee shall forthwith upon demand pay to Lessor an amount (plus applicable taxes) equal to the differences between (1) the aggregate rental that would have been charged by Lessor using the rental rate specified in its most recent listing, for and during the period actually rented by the Lessee, and, (2) the aggregate rental actually paid by Lessee with respect to such period. Rental charges for fractional periods beyond the first period will be charged on a pro-rated basis based on the rate for the original rental period. All shipping charges will be pre-paid and added to customer invoices.

TERMS OF PAYMENT: Net, payable within 30 days of date of invoice. Where credit in Lessor's judgment is not warranted, either at or subsequent to the time of acceptance of the order, Lessor reserves the right to require payment on delivery or, at Lessor's option, payment in advance for all items yet to be delivered. Lessor reserves the right to require at Lessor's option a security deposit prior to rental.

LATE PAYMENT CHARGES: If any rentals or other sums are not paid within ten days of the due date, a service charge of 1.5% per month, not to exceed the maximum rate allowed by law, shall apply to the portion of Lessee's outstanding balance which is not paid when due. If legal action is taken by Lessor, Lessee shall be liable for Lessor's reasonable attorney fees, plus other costs of such action.

TERMS OF USAGE: It is assumed that all equipment is to be used at the Lessee's facility or in suitable vans and tents under normal conditions and times. Extraordinary wear and tear either by excessive running time or exposure of the equipment to adverse conditions will obligate the Lessee to pay such refurbishing fees as to restore the rented equipment to its original condition as of the beginning of the rental, less "normal wear and tear."

Loss or extensive damage to the equipment will obligate the Lessee to replace the equipment at its expense or remit the full fair market price to Lessor.

The equipment is to be properly used and retained by Lessee and not to be used under an agency capacity as for renting or subletting purposes or assigned to any other person or entity without appropriate purchase order, written agreement and proper notification of the original Lessor.

The Lessee shall not copy or allow equipment to be copied or specifications reproduced. Lessee shall not make any alterations, additions or improvement to the equipment.



WARRANTY: Lessor makes **no** warranties, either express or implied, as to any matter whatsoever, including, without limitation, the condition of the equipment, its merchantability, or its fitness for any particular purpose.

TITLE: Lessor retains title to all equipment rented. Lessor shall retain the right to recover all payments due, even though equipment is back in its possession. Lessor reserves the right to issue Uniform Commercial Code filing statements, and Lessee agrees to execute same. No transfer of right or title is implied or intended, unless expressly agreed to in writing.

LESSOR'S INSPECTION: Lessor shall at any and all times during business hours have the right to enter into and upon the premises where the equipment may be located for the purpose of inspecting the same or observing its use.

TAXES: Prices do not include any taxes, now or hereinafter enacted, applicable to this transaction, which taxes will be added to the price when required by law to be billed and collected, and will be paid by Lessee, unless Lessee provides a proper tax exemption certificate.

LIMITATION OF LIABILITY: Lessor will not be liable for Lessee's issuance or amendment of purchase orders or change orders covering original or extended rental periods. Charges in all cases will commence on the date of shipment of equipment to Lessee and terminate on the date the equipment is received by Lessor.

In no event, whether as a result of breach of contract or warranty, tort (including negligence) or otherwise, shall Lessor be liable for any consequential, incidental or exemplary damages, including, without limitation any loss of profit or revenues, loss of use of any equipment or any other equipment, damage to other equipment, cost of substitute equipment, claim by Lessee for damages of Lessee's customers or down time costs.

RISK OF LOSS: The Lessee is responsible for loss of or damage to equipment from receipt until it is received on return by a Lessor's Inventory Center. Loss or damage to the equipment will obligate the Lessee to replace or repair the equipment at its expense or remit the full fair market price to Lessor. It is understood that the rental fees will continue until such replacement equipment or the replacement cost is received by Lessor.

OFFSET: Lessee hereby waives any and all existing and future claims, and offsets, against any rent or other payments due hereunder; and agrees to pay the rent or other payments due hereunder regardless of any offset or claim which may be asserted by Lessee or on its behalf.

DEFAULT: Upon default of the payment of rent, or if the equipment is not returned as of the end of the stated lease term, or upon any other breach of the lease by Lessee, Lessor shall have the right to take possession of and remove the equipment. Lessor may also pursue any other remedies to which it may be entitled in law or equity, and Lessee shall pay Lessor's attorneys' fees and expenses in the event legal action is necessary due to a breach of the lease by Lessee.

Agreed and Accepted:

Lessee

By: _____
(Signature)

Name: _____
(Printed name)

Title: _____

Date: _____



4/12/2004