

# FieldConx™ Fiber Optic Field-Installable Connectors and Tools

## Overview

The Fibertronics Inc. FieldConx™ Field-Installable Connectors offer a fast, reliable solution for on-site fiber termination. These pre-polished connectors eliminate the need for epoxy and polishing in the field, significantly reducing installation time and labor costs.

Available in LC and SC formats, with UPC or APC polish options, FieldConx™ connectors support both multimode and singlemode fibers, making them ideal for a wide range of applications. With interchangeable boots, one connector is compatible with a multitude of cable diameters. Their quick termination process and low insertion loss ensure high-performance connectivity in demanding environments.

Designed for versatility, FieldConx™ connectors accommodate a variety of cable types and sizes, providing installers with a flexible, dependable termination solution. Ideal for field connections, quick repairs, and easy cable reconfiguration, these connectors offer unmatched convenience in dynamic installation settings.

## Key Features

- No need for Epoxy or hand polishing
- Low Insertion Loss
- Interchangeable Boots
- Connectors can be re-terminated at least 3 times

## Typical Applications

- Field Repairs & Emergency Maintenance
- Temporary or Permanent Test Lead Assemblies
- Local and Wide Area Network (LAN/WAN) Terminations
- FTTx Applications
- Equipment Interface Connections

## Technical Specifications

Insertion Loss	Avg. ≤0.3dB Max. ≤0.5dB
Return Loss	Singlemode UPC ≥50dB Singlemode APC ≥55dB Multimode UPC ≥25dB
Temperature Range	-25°C ~ +75°C
Tensile Strength	≥30N (0.9mm Round Cable ≥5N)
Repeat Assembly	≥ 3 Times
Service Life	≥ 5 Years



FXSCA9G-U-10



FXLCU9B-U-10



FXSCU7A-U-10



FXSCA9G-C-10



FXSCU9B-R-10

## FieldConx™ Fiber Optic Field-Installable Connectors and Tools

### Ordering Information

*\*\*Note: These are sold in packs of 10*

Fiber Type	Polish	Housing Color	Cable Size Compatibility	Part #
<b>SC Connections</b>				
Singlemode	APC	Green	Universal 900µm, 2.0mm, 3.0mm Drop 2.0*1.6mm Drop 2.0*3.0mm	FXSCA9G-U-10
Singlemode	UPC	Blue	Universal 900µm, 2.0mm, 3.0mm Drop 2.0*1.6mm Drop 2.0*3.0mm	FXSCU9B-U-10
Multimode OM1	UPC	Beige	Universal 900µm, 2.0mm, 3.0mm Drop 2.0*1.6mm Drop 2.0*3.0mm	FXSCU6T-U-10
Multimode OM3 & OM4	UPC	Aqua	Universal 900µm, 2.0mm, 3.0mm Drop 2.0*1.6mm Drop 2.0*3.0mm	FXSCU7A-U-10
Singlemode	APC	Green	Round 5.0mm, 3.0mm Drop 2.0*3.0mm Drop 2.0*1.6mm	FXSCA9G-R-10
Singlemode	UPC	Blue	Round 5.0mm, 3.0mm Drop 2.0*3.0mm Drop 2.0*1.6mm	FXSCU9B-R-10
Singlemode	APC	Green	Drop 2.0*3.0mm Drop 2.0*1.6mm	FXSCA9G-C-10
Singlemode	UPC	Blue	Drop 2.0*3.0mm Drop 2.0*1.6mm	FXSCU9B-C-10
<b>LC Connections</b>				
Singlemode	APC	Green	Universal 900µm, 2.0mm, 3.0mm Drop 2.0*1.6mm Drop 2.0*3.0mm	FXLCA9G-U-10
Singlemode	UPC	Blue	Universal 900µm, 2.0mm, 3.0mm Drop 2.0*1.6mm Drop 2.0*3.0mm	FXLCU9B-U-10
Multimode OM1	UPC	Beige	Universal 900µm, 2.0mm, 3.0mm Drop 2.0*1.6mm Drop 2.0*3.0mm	FXLCU6T-U-10
Multimode OM3 & OM4	UPC	Aqua	Universal 900µm, 2.0mm, 3.0mm Drop 2.0*1.6mm Drop 2.0*3.0mm	FXLCU7A-U-10

## FieldConx™ Fiber Optic Field-Installable Connectors and Tools

### Mechanical Splicer for 2.0\*3.0mm Drop Cable

*Metal V-Groove, Precise Alignment, High Reliability, Excellent Performance*

#### Technical Specifications

Cable	3.0*2.0mm Drop Cable
Dimensions	90mm x 8mm x 7mm
Fiber	G657A1, G657A2, G657B3 Fiber Diameter: 125µm Coating Diameter: 250µm
Insertion Loss	Avg. ≤0.2dB Max. ≤0.5dB
Return Loss	Avg. ≤45dB Min. ≤40dB
Operating Temperature	-25°C ~ +75°C
Tensile Strength	≥30N
Repeat Assembly	≥ 3 Times

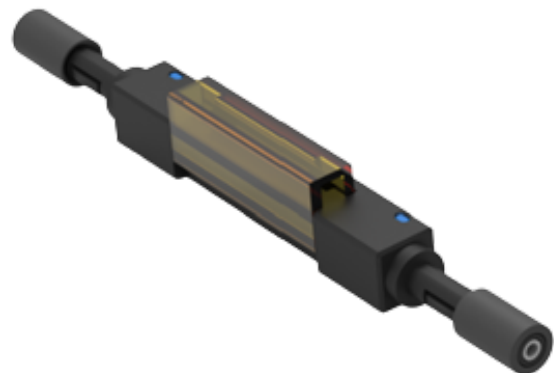


### Mechanical Splicer for 250µm and 900µm Fiber

*Metal V-Groove, Precise Alignment, High Reliability, Excellent Performance*

#### Technical Specifications

Dimensions	45.3mm x 4.6mm x 4mm
Fiber	250µm and 900µm Fiber
Insertion Loss	Avg. ≤0.2dB Max. ≤0.5dB
Return Loss	Avg. ≤45dB Min. ≤40dB
Operating Temperature	-25°C ~ +75°C
Tensile Strength	250µm ≥ 2N/30s 900µm ≥ 4N/30s
Repeat Assembly	≥ 3 Times



# FieldConx™ Fiber Optic Field-Installable Connectors and Tools

## Universal Fiber Cleaver

Compact Size, Easy Operation, Quick Cleave for Onsite Connector Assembly  
Low Cost, No need for Maintenance, or Blade Adjustment

## Technical Specifications

Design	Slide lock design to protect cleaver from damage
Compatibility	All FieldConx™ Connectors
Dimensions	59mm x 53mm x 36mm
Blade Life	500 Cleaves
Weight	45g



## Ordering Information

Mechanical Splice for 2.0*3.0mm Drop Cable <i>**Note: These are sold in packs of 10</i>	FXMS-3D-10
Mechanical Splicer for 250µm and 900µm Fiber <i>**Note: These are sold in packs of 10</i>	FXMS-259-10
Universal Fiber Cleaver	FXCL-1