

# FieldConx™ Fiber Optic Field-Installable Connectors and Tools

## Overview

Fibertronics Inc.'s FieldConx™ Field-Installable Connectors provide a fast, reliable, and epoxy-free solution for on-site fiber termination, reducing installation time and labor costs. Available in LC and SC formats with UPC or APC polish options, they support both singlemode and multimode fibers. Featuring interchangeable boots for multiple cable diameters, FieldConx™ connectors deliver low insertion loss and high performance across various applications. Their versatile design accommodates different cable types and sizes, making them ideal for field connections, quick repairs, and flexible network configurations.

## Features

- No need for epoxy
- Come pre-polished
- Re-terminate at least 10 times
- Lifespan of at least 10 years
- Low insertion loss
- Interchangeable boots

## Applications

- Field repairs
- Emergency maintenance
- Test lead assemblies
- LAN/WAN Terminations
- FTTx Applications
- Equipment Interface Connections

## Technical Specifications

<b>Insertion Loss</b>	Avg. $\leq 0.3\text{dB}$ Max. $\leq 0.5\text{dB}$
<b>Return Loss</b>	Singlemode UPC $\geq 50\text{dB}$ Singlemode APC $\geq 55\text{dB}$ Multimode UPC $\geq 25\text{dB}$
<b>Temperature Range</b>	$-25^{\circ}\text{C} \sim +75^{\circ}\text{C}$
<b>Tensile Strength</b>	$\geq 30\text{N}$ (0.9mm Round Cable $\geq 5\text{N}$ )
<b>Repeat Assembly</b>	$\geq 10$ Times
<b>Service Life</b>	$\geq 10$ Years



FXSCA9G-U-10



FXLCU9B-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

### Technical Specifications

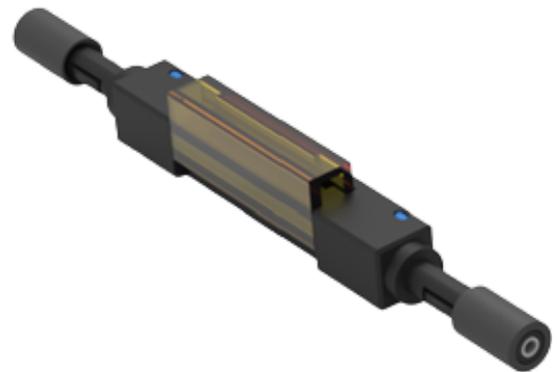
<b>Cable</b>	3.0*2.0mm Drop Cable
<b>Dimensions</b>	90mm x 8mm x 7mm
<b>Fiber</b>	G657A1, G657A2, G657B3 <b>Fiber Diameter:</b> 125µm <b>Coating Diameter:</b> 250µm
<b>Insertion Loss</b>	Avg. ≤0.2dB; Max. ≤0.5dB
<b>Return Loss</b>	Avg. ≤45dB; Min. ≤40dB
<b>Operating Temperature</b>	-25°C ~ +75°C
<b>Tensile Strength</b>	≥ 30N
<b>Repeat Assembly</b>	≥ 10 Times



## Mechanical Splicer for 250µm and 900µm Fiber

### Technical Specifications

<b>Dimensions</b>	45.3mm x 4.6mm x 4mm
<b>Fiber</b>	250µm and 900µm Fiber
<b>Insertion Loss</b>	Avg. ≤0.2dB; Max. ≤0.5dB
<b>Return Loss</b>	Avg. ≤45dB; Min. ≤40dB
<b>Operating Temperature</b>	-25°C ~ +75°C
<b>Tensile Strength</b>	250µm ≥ 2N/30s; 900µm ≥ 4N/30s
<b>Repeat Assembly</b>	≥ 10 Times



# FieldConx™ Fiber Optic Field-Installable Connectors and Tools

## Universal Fiber Cleaver

### Technical Specifications

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



## Drop Cable Stripper

### Technical Specifications

<b>Cable Compatibility</b>	2x3mm Drop Cable
<b>Connector Compatibility</b>	All FieldConx™ Connectors
<b>Dimensions</b>	108mm (L) x 20mm (W) x 26-70mm (H, tapered)
<b>Weight</b>	160g



## Ordering Information

<b>Mechanical Splice for 2.0*3.0mm Drop Cable</b> <i>**Note: These are sold in packs of 10</i>	FXMS-3D-10
<b>Mechanical Splicer for 250µm and 900µm Fiber</b> <i>**Note: These are sold in packs of 10</i>	FXMS-259-10
<b>Universal Fiber Cleaver</b>	FXCL-1
<b>Drop Cable Stripper</b>	FXCS-D2