

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

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

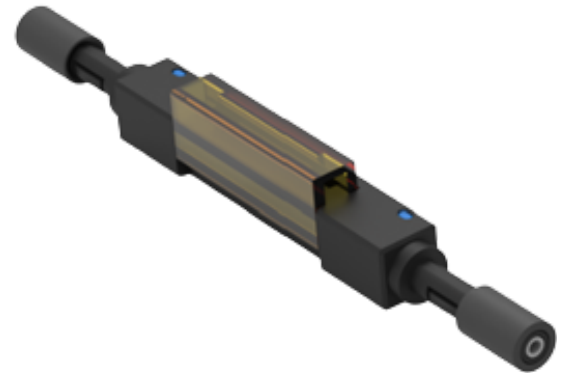
Cable	2.0*3.0mm Drop Cable
Dimensions	90mm x 8mm x 7mm
Fiber	G657A1, G657A2, G657B3 Fiber Diameter: 125μm Coating Diameter: 250μm
Insertion Loss	Avg. ≤0.2dB; Max. ≤0.5dB
Return Loss	Avg. ≤45dB; Min. ≤40dB
Operating Temperature	-25°C ~ +75°C
Tensile Strength	≥ 30N
Repeat Assembly	≥ 10 Times



Mechanical Splicer for 250μm and 900μm Fiber

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	≥ 10 Times



FieldConx™ Fiber Optic Field-Installable Connectors and Tools

Universal Fiber Cleaver

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



Drop Cable Stripper

Technical Specifications

Cable Compatibility	2.0*3.0mm Drop Cable
Connector Compatibility	All FieldConx™ Connectors
Dimensions	108mm (L) x 20mm (W) x 26-70mm (H, tapered)
Weight	160g



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
Drop Cable Stripper	FXCS-D2