

## ELiMENT® Single-Fiber and Duplex Connectors

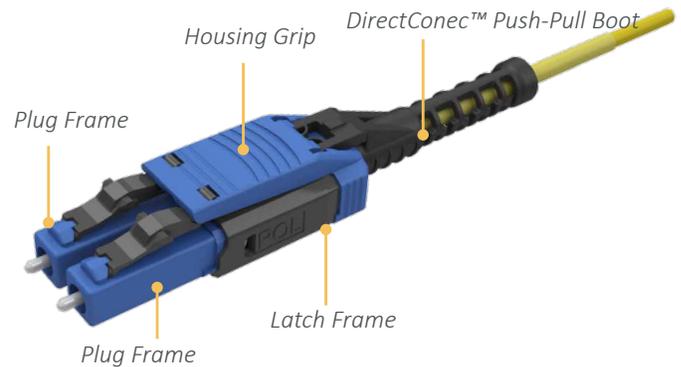
US Conec offers a wide range of single-fiber and duplex connectors, including both SC and LC variations. These connectors are available to support singlemode and multi-mode applications, APC and UPC polish types, and a variety of cable styles. The Duplex LC Uniboot connectors are available in both DirectConec™ push-pull and traditional thumb-latch variations. All US Conec connectors are supported by detailed assembly instructions, available assembly tools, and US Conec's training and certification process for customers who are terminating these connectors for the first time or are looking to improve their assembly rate and first-pass yield.

## ELiMENT® Duplex LC Uniboot Connector with DirectConec™ Boot

US Conec's ELiMENT® Duplex LC Uniboot Connectors with DirectConec™ Boot are high-performance LC connectors that are easier to use and work in more challenging applications than any other Uniboot on the market. Its patented design allows for quick and easy polarity reversal without tools and without exposing fibers. The low-profile housing allows the connector to be installed into vertically stacked LC adapters and the DirectConec™ push-pull boot enables fast and easy insertion and removal.

### Features:

- Easy insertion & extraction
- Change polarity without tools or exposing fibers
- Low-profile design and DirectConec™ push-pull boot for high-density applications
- Exceeds GR-326-CORE & TIA-568 requirements
- Meets IEC Grade B attenuation requirements
- Supports 1.6mm and 3.0mm cable sizes for SM and MM applications
- Both PC and APC versions can be polished at connector level
- Assembly tools to increase output and first-pass yield



### Polarity Change Process:



Separate housing grip and boot



Rotate plug frames 180°



Rotate housing 180°



Re-connect boot to housing

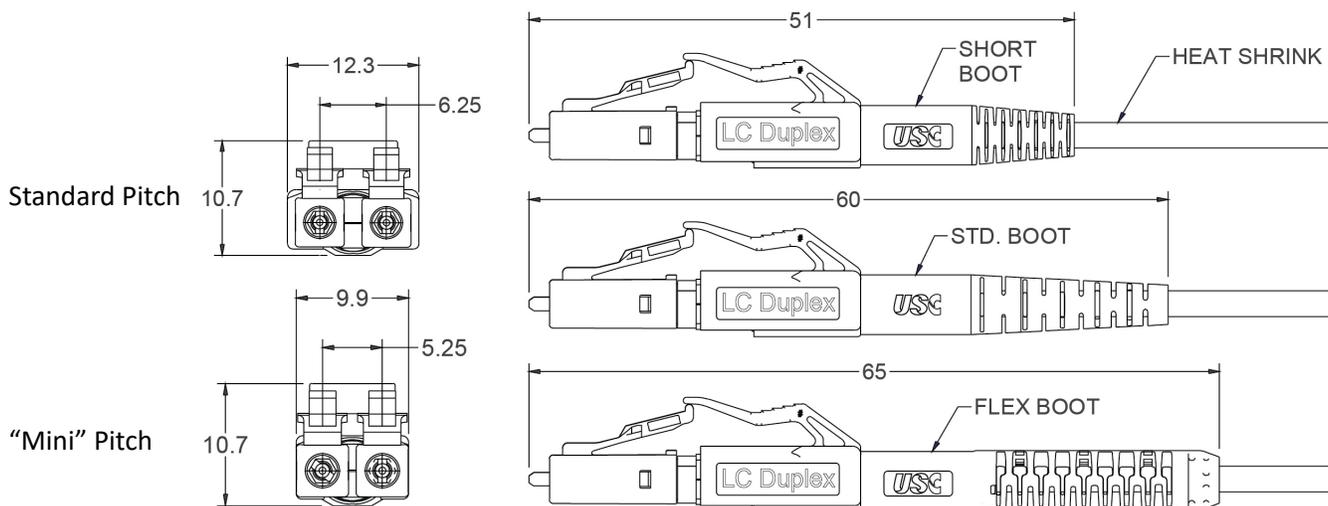
## ELiMENT® Standard Duplex LC Uniboot

US Conec's Standard Duplex LC Uniboot offers the same optical and mechanical performance as our DirectConec™ LC Uniboot but utilizes a traditional thumb latch. It offers two ferrule pitch options: standard 6.25mm and "mini" 5.25mm pitch. US Conec offers multiple boot length and color options, including a FLEX boot that can be positioned from 0° to 90° in any direction.



### Features:

- Large, singular thumb latch disengages both plugs for quick extraction
- Available in standard 6.25mm and "mini" 5.25mm pitch variants
- Available with standard, short, and position-retaining FLEX boot
- Exceeds GR-326-CORE & TIA-568 requirements
- Meets IEC Grade B attenuation requirements
- Supports 1.6mm and 3.0mm cable sizes for SM and MM applications
- PC and APC version can be polished at ferrule, plug, or duplex connector level
- Quick & easy tool-less assembly



## ELiMENT® Simplex LC Connectors and Adapters

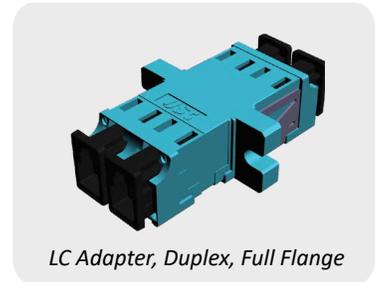
US Conec offers high-performance LC connectors and adapters that exceed GR-326-CORE, Issue 4 requirements. LC ferrules have a flat end face and are fully compliant to TIA/EIA-604-10B, IEC 61754-20, RoHS2 and REACH 169 directives. LC adapters are available as full or reduced flange, duplex and quad sizes.



LC Connector, 900 μm



LC Connector, 2.0mm



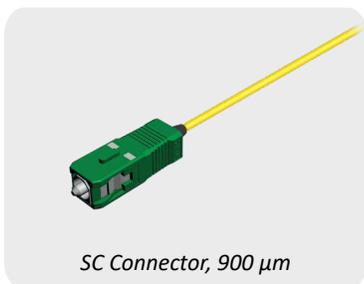
LC Adapter, Duplex, Full Flange

### Features:

- MM, SM, and APC
- 900μm and 1.6/2.0mm cable boots
- Tunable connector body
- GR-326-CORE compliant
- Yellow and white heat shrink available
- Meets IEC Attenuation Grade B random mating requirements (0.12 dB mean, 0.25 dB maximum for ≥ 97% of the connectors)

## ELiMENT® Simplex SC Connectors and Adapters

US Conec also offers SC connector and adapters that exceed GR 326-CORE, Issue 4 requirements. Singlemode and multi-mode SC ferrules have a pre-radiused endface, meet TIA/EIA-604-3B, IEC 61754-4, and are compliant with RoHS2 and REACH 169 directives. SC adapters are available as full or reduced flange, simplex and duplex sizes.



SC Connector, 900 μm



SC Connector, 2.0mm



SC Adapter, Simplex, Full Flange

### Features:

- MM, SM, and APC
- 900μm, 2.0mm and 3.0mm cable boots
- One-piece connector body design
- GR-326-CORE compliant
- Meets IEC Attenuation Grade B random mating requirements (0.12 dB mean, 0.25 dB maximum for ≥ 97% of the connectors)