



**EZ-Lux™**

## FAST, DEPENDABLE & SECURE SINGLE FIBER CONNECTOR

*EZ-Lux™ is a multipurpose, single fiber connector that is able to maintain excellent optical performance even in harsh environments. It features an easy to mate, push-pull locking system to speed-up single fiber connection even in blind mating conditions.*



### FAST CONNECTION:

The EZ-Lux™ push-pull coupling mechanism eliminates the need for tools, thus simplifying installation especially in tight spaces. The “click” feature helps ensure that the connection is secure.

### DEPENDABLE PERFORMANCE:

EZ-Lux™ complements the established LuxCis® ARINC 801 product range and offers all of its advantages, including easy contact insertion, extraction, cleaning and inspection.

LuxCis® ARINC 801 contacts mean high optical performance with repeatable, low Insertion Loss and high dependable Return Loss. This unique keyed contact can be used in singlemode APC for applications requiring RL>65dB.

### RUGGED & SECURE CONNECTION:

EZ-Lux™ is optimized for shock and vibration resistance in harsh environments. The robust design and boot also guarantee a sealed connection when fully mated.

### SMALL FOOTPRINT:

The compact and lightweight design of EZ-Lux™ makes it the perfect solution for applications requiring high optical performance connectivity with limited space. Compared to the 38999 size 9 connector, the surface of the EZ-Lux™ jam-nut version is approximately 50% smaller. A unique benefit of the EZ-Lux™ square flange receptacle is that it offers easy replacement and a low profile when the panel is already drilled for a square flange 38999 size 9 connector.



## Fast, Dependable & Secure Single Fiber Connector

EZ-Lux™ was designed to be a compact, easy to mate, single channel solution for LuxCis® ARINC 801 contacts. The push-pull coupling mechanism simplifies the connection, especially in blind mating conditions. EZ-Lux™ is ideal for dynamic environment systems requiring high speed transmission within a small, lightweight connector.

Qualified per ARINC 801 standard, EZ-Lux™ is a fast connection solution for single fiber applications and offers the following performance benefits:

- Optical performance (MM): typ. IL: 0.1 dB / RL > 20 dB
- Temperature range: -55°C to +125°C (cable dependent)
- Vibration: 43 Grms
- Shocks: 300 G

EZ-Lux™ has passed additional testing which demonstrates its suitability for 1,000 mating cycles and SM APC applications. For more information, contact a Radiall representative.

The EZ-Lux™ product range includes plug, jam-nut and a square flange receptacle. It is available as an individual connector (plug & receptacle) or mounted on cable assemblies.



### Features & Benefits

- Fast & easy to use with its push-pull locking system
- Rugged and sealed IP67 connection
- Small foot print
- Complements LuxCis® ARINC 801 product range
- Single channel connector

### Applications

- Avionics systems
- Airborne camera
- Sensors
- Defense
- Energy
- Microwave photonics
- Instrumentation