

# APPLICATION NOTE

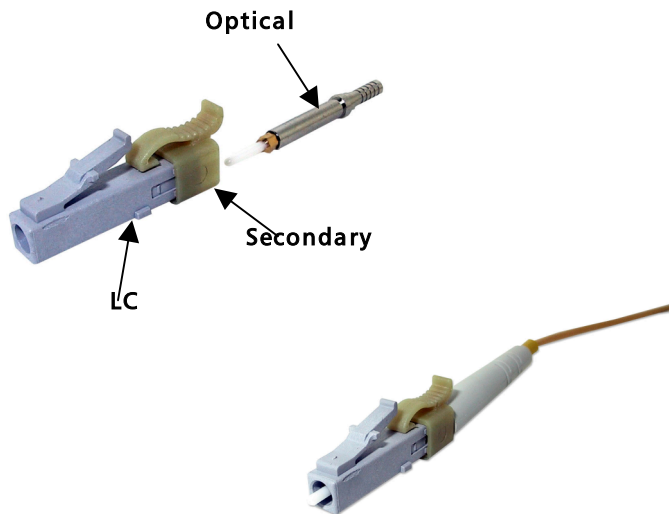
[www.ittcannon.com](http://www.ittcannon.com)

PHD SuperLC

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## The Challenge

The LC configuration is commonly used as the interconnect interface for Fiber Optic Hardware. The current commodity type products are not up to the task of performing in harsh environments required in Military, Aero Space & Industrial applications. System Designers are looking for a low cost solution that can be easily serviced while providing low-loss optical performance.



## The ITT Solution ...

ITT has developed the Cannon PHD SuperLC connector, a small form-factor connector system that meets or exceeds Lucent & Telcordia Requirements. This Robust LC interconnect maintains the same high optical performance characteristics of a standard LC product while operating in severe environments.

## Product Features

- High Temperature Thermal Plastic Housing
- Meets Lucent 640-252-053 & Telcordia GR-326 Requirements
- Tunable Optical Cartridge
- Multimode & Singlemode Ferrules
- Crimp Termination of Cable to Rear Body
- Optical Cartridge a Standalone Optical Element Separable from Connector Housing

## Benefits to the Customer

- Greater optical stability in high temperature environments.
- Quick and easy field repair.
- Locking Feature prevents mechanical release in high shock/vibration environments and thermal relaxation of latch in high temperature environments.
- Superior mechanical durability

## Applications

- Military/Aero space Fiber Optic Interconnect
- Telecom service environments
- Industrial Data Communications

**For application assistance, please contact:**

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