



# ITT

Interconnect Solutions  
Cannon, VEAM, BIW

Providing **100%** optical signal  
**reliability** in sending higher  
bandwidth data streams  
in the harshest environments



*Engineered for life*

PHD SuperLC Fiber Optic Connector System

**LC Compliant Fiber Optic Connector System to meet Telecordia GR-326-CORE**

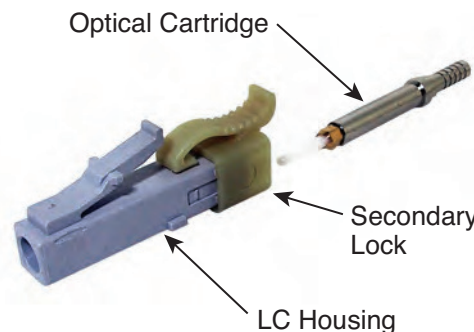
Harsh environmental small form-factor connector system providing higher thermal environment and superior mechanical environment stability/durability than a standard LC connector while maintaining the same high-end optical performance characteristics that supports both singlemode and multimode fiber configurations.

**Product Features**

- Higher thermal environment stability/durability  
High temperature plastic used for housing and secondary lock.  
Secondary Lock prevents thermal relaxation of cantilever latch in high temperature environments.

- Superior mechanical environment stability/durability  
Secondary Lock prevents mechanical release in high shock/vibration environment.
- Reparability / Maintenance  
Optical Cartridge a standalone optical element separable from connector plastic body for quick and easy field repair.
- Crimp termination of cable jacketing to rear body section
- Designed for use with either tight or loose buffered fiber cable solutions
- Singlemode (tuned or un-tuned) and multimode fiber capable
- Meets Lucent 640-252-053 & Telecordia GR-326 requirements insuring Mechanical / optical interface Interchangeability / Compatibility.

	Multimode 62.5/125	Singlemode SMF 28
Ferrule (O.D.)	1.25 mm	1.25 mm
Insertion Loss (dB typ.)	0.30	0.25
Maximum Loss (dB max.)	0.50	0.40
Return Loss (dB typ.)	25	55
Return Loss (dB min.)	20	50
Cyclic Durability	1000	



Connector Configuration	Fiber Type	Part Number	Housing Color
SIMPLEX	Multimode	140277-0000	Beige
	Singlemode	140290-0000	Blue
	APC	140292-0000	Green
DUPLEX	Multimode	140289-0000	Beige
	Singlemode	140291-0000	Blue
	APC	140293-0000	Green

PRODUCT NOTES	
<p><b>1. Packaging:</b> Packaging identification includes manufacturer's name and part number</p> <p><b>2. Material / Finish:</b>                      Ferrule: Zirconia Ceramic / N.A.                      Terminus assembly: Stainless steel / Passivate-hardware                      Housing: High Temperature thermal plastic</p>	<p><b>3. Tooling:</b> Tuning Wrench PN - 980-2007-001                      Tuning Kit PN – 980-2007-002</p> <p><b>4. Instructions:</b> Consult factory for assembly instructions and termination tool list.</p> <p><b>5. Applications:</b> Military/Aero space Fiber Optic Interconnect environments.</p>

Dimensions shown in inches (mm)  
 Specifications and dimensions subject to change

