

# Fiber Optics Testing

Comprehensive testing and qualifying services based on experience and expertise



**Experior Laboratories** is the leading fiber optic component testing and qualification laboratory with proven global success. Combining extensive industry knowledge, standards development experience and world-class competence, Experior Labs offers a full range of reliable and cost-effective fiber optic qualification, design verification and reliability testing services.

Experior Labs tests a broad range of fiber optic components that include fiber, cable, connector and harness assemblies, as well as switches and a range of other passive optical components, including closures and terminals. Experior Labs' environmental test laboratory features a range of optical measurement systems with a capacity of hundreds of optical switch channels for testing both multimode and singlemode components.

Experior Labs is a member of the Verizon Fiber Optic Component (FOC) Independent Test Laboratory (ITL) Program, MIL-STD-790 approved by the Defense Logistic Agency Land and Maritime in Columbus Ohio (DLA) and UL approved under the Data Acceptance Program (DAP).

## Experior Labs is approved for testing to an extensive list of product performance requirements standards:

### Military, Aerospace, Shipboard:

MIL-PRF-29504	Termini
MIL-PRF-49291	Fiber
MIL-PRF-85045	Cable
MIL-PRF-28876	Circular connector for shipboard
MIL-DTL-38999	Circular connector for aerospace
MIL-PRF-64266	Circular connector for ground, shipboard and aerospace
MIL-C-83522	Single terminus tactical connector
MIL-DTL-83526	Expanded Beam tactical circular connector

### Telecommunication:

GR-326	Singlemode Optical Connectors
GR-1081	Field-Mountable Connectors
GR-1435	Multi-Fiber Optical Connectors
GR-3120 and 3152	Hardened Connectors (HFOCs)
GR-20 and 409	Optical Fiber and Optical Fiber Cable
GR-2866	Fan-out Assemblies
GR-1209 and 1221	Passive Optical Components
GR-449	Fiber Distributing Frames
GR-771	Fiber Optic Splice Enclosures
GR-3123 and 3125	Fiber Distribution Hubs (FDHs)
GR-3126	Wall Plates, Moldings, and Raceways that Support Fiber Optic
GR-3155	Microducts for Fiber Optic Cables



All testing is conducted in strict accordance with standardized fiber optic test methods, TIA-455 Fiber Optic Test Procedures (FOTP) and international IEC standardized test methods - as well as many other industry standards.

Experior Laboratories is a ISO/IEC-17025:2005 accredited testing facility that combines optical measurement expertise with environmental and mechanical testing capabilities. Internal capabilities range from climatic (temperature/humidity, thermal shock, thermal aging) to mechanical (vibration, tensile / flex / twist, shock, impact), to material tests (corrosion / salt fog, fluid immersion, flammability, rockwell hardness, etc).

**Experior Laboratories**....helping customers ensure the reliability of their products and reduce the overall time-to-market.

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



Experior Laboratories, Inc is a Southern California based, third-party test laboratory providing independent design verification and qualification testing services to component and system manufacturers, military contractors, integrators and system providers within the Telecommunication, Military, Aerospace, Space, Industrial, Medical and many other industries. Recognized throughout the industry for superior customer service, consistent on-time delivery, project management by experts and end-to-end accountability, Experior Labs offers customers cost-effective, highly qualified testing services that add value to any organization, regardless of size. © Copyright 2017 Experior Laboratories, Inc. All rights reserved.

