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### **Enhanced Connector Series from Amphenol Used in Fiber Optic Interconnection Applications**

Amphe-Lite fiber optic termini transmits an optical laser with high speed and high reliability

#### **Technical Specifications**

- 200 and 600 MHz/km of bandwidth
- 500 mating cycles
- Compatible with MIL-DTL-38999 shell
- Spring-loaded contacts
- Ceramic alignment sleeves

**Endicott, N.Y. July 2022** – Amphenol Industrial Operations, a global leader in interconnect systems, has enhanced its Amphe-Lite connector series to meet the increasing demand of [fiber optic interconnection](#) applications in the medical, oil and gas, security and grid industries. Amphe-Lite fiber optic termini transmits an optical laser with high speed, high reliability, EMI/RFI immune, digital data transmission in harsh environments.

Designed to interconnect fiber optic channels by providing precise alignment, tight contact and strong protection, this fiber optic solution is light weight for applications where total system weight is a factor; features an acceptable insertion loss when the distance is over 1KM; as well as offers 200 and 600 MHz/km of bandwidth when there is an enormous amount of information to carry.

These versatile connectors are shock and vibration resistant and can withstand 500 mating cycles. The Amphe-Lite fiber optic termini is compatible with MIL-DTL-38999 shell and have excellent adaptability in a size 16 cavity. They are designed and manufactured to be equivalent to MIL-PRF-29504/4&5.

This enhanced connector series features a ceramic alignment sleeve that ensures accurate fiber to fiber alignment. Connector sockets have a threaded protective shroud that is manufactured from rugged plastics. The contacts are spring-loaded to ensure consistent mating.

For more information, please visit <http://www.amphenol-industrial.com> or e-mail [tyesensky@amphenol-aio.com](mailto:tyesensky@amphenol-aio.com).

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**EDITOR'S NOTE:** [Amphenol Industrial Operations](#), headquartered in a 20,000 square foot facility in Endicott, N.Y., provides a full range of high reliability power/signal connectors and interconnection systems specifically for the industrial markets including rail/mass transit, process control, automotive manufacturing, heavy equipment, wireless base stations and petrochemical/power generation.

Products include ruggedized-for-industry cylindrical, fiber optic, rectangular, and industrialized versions of Amphenol's MIL-DTL-5015 cylindrical, MIL-DTL-26482 miniature cylindrical and GT reverse bayonet cylindrical connectors. It employs more than 900 people and is ISO9001, TS96949 and MIL-STD-790 certified.

Amphenol Industrial Operations is a division of Amphenol Corporation, Wallingford, CT, one of the largest manufacturers of interconnect products in the world, with 2021 sales topping \$10.9 billion.