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## **Verrillon Introduces the Highest Performing Single-Polarization Optical Fibers (PZF) Available**

*The first Single-Polarization Fiber to offer superior specifications combined with high compatibility and manufacturability*

**North Grafton, MA – April 13, 2009**—Verrillon, Inc., the leading supplier of specialty optical fiber for optical devices and sensors, today announced the introduction of its industry-leading Single-Polarization Fiber, a unique fiber design that polarizes the light within a few meters of fiber length with extremely high Polarization Extinction Ratio (PER).

Verrillon's Single-Polarization (PZF) fiber targets all applications where a polarized light is required. The fiber functions as an in-line polarizer for applications such as fiber lasers, fiberoptic gyroscopes (FOG) and fiberoptic current sensors, as well as an advanced polarization "clean-up" fiber for laser connectorization and device pigtails. PZF is also an ideal fiber for high-coherence light transmission without cross-talk between two polarization modes.

"Verrillon's Single-Polarization fiber exhibits higher than 40dB extinction ratio and a broader polarizing bandwidth than any other type of commercially available fiber. Its circular output combined with very low attenuation make it highly compatible in applications where low insertion and splice losses are crucial", said Dr. Abdel Soufiane, Verrillon's Founder and CTO.

The PZF-1550nm fiber is currently available for immediate delivery. It is designed to be compatible with standard Single Mode fibers due to its similar Mode-Field Diameter and Numerical Aperture. Customization for different dimensions, operating wavelengths, and coating types is available upon request.

[Click here](#) for more information about PZF-1550nm fiber.

### **About Verrillon – [www.verrillon.com](http://www.verrillon.com)**

Verrillon, Inc. develops, manufactures and markets innovative specialty optical fiber and cable solutions for the Oil & Gas, Industrial and Military markets. Verrillon's product range includes Harsh Environment Fibers, Polarization-Maintaining Fibers and Rare-earth Doped Fibers. Verrillon is focused on providing optical fiber and cable users with high quality, cost effective, and technically advanced fiber-based solutions.