



SPECIALTY PHOTONICS DIVISION

PRESS RELEASE
for Release September 8, 2009

ABERDEEN, SCOTLAND—OFS, Specialty Photonics Division, today announces release of GeoSil™ Pure Silica Core Optical Fibers for Distributed Temperature Sensing (DTS). DTS systems use optical fiber as the sensor and generate real-time temperature measurements at small intervals as short as 1 meter along the fiber length. The pure core design is critical to the performance of optical fibers deployed down oil or gas wells where conditions include temperatures that routinely exceed 250°C with high pressure and hydrogen gas. When conventional fibers with germanium-doped cores are exposed to hydrogen at high temperatures, permanent defects can occur. These defects can result in a rise in attenuation which significantly limits the lifetime of the fiber sensor. Optical fiber with a pure silica core is extremely resistant to this phenomenon and can perform far longer in the downhole environment limiting the expense associated with replacement of new sensors. OFS GeoSil fibers are coated with PYROCOAT® polyimide, a specialty coating that allows temperature performance to 300°C, and imparts abrasion and chemical resistance plus a small form factor (155 µm diameter) to the sensing fiber. GeoSil fibers are offered in both single-mode and multimode constructions. They are part of the GeoFibers™ family of products optimized for geophysical applications.

“GeoSil fibers can help improve the efficiency of DTS sensing by maximizing oil recovery especially in hot wells. These products leverage the high quality glass and coatings technology that OFS is known for,” said Cathy Ciardiello, Geophysical Market Manager for OFS.

Contact us to find out how you can avail yourself of GeoSil fibers.

About OFS

OFS is a world-leading designer, manufacturer, and provider of optical fiber, optical fiber cable, FTTX, optical connectivity, and specialty photonics products. Our manufacturing and research divisions work together to provide innovative products and solutions that traverse many different applications as they link people and machines worldwide. Between continents, between cities, around neighborhoods, and into homes and businesses of digital consumers we provide the right optical fiber, optical cable and components for efficient, cost-effective transmission. OFS’ corporate lineage dates back to 1876 and included technology powerhouses such as AT&T (NYSE: T) and Lucent Technologies (now Alcatel-Lucent, NYSE: ALU). Today, OFS is owned by Furukawa Electric, a multi-billion dollar global leader in optical communications.

Headquartered in Norcross (near Atlanta) Georgia, U.S., OFS is a global provider with

facilities in Avon, Connecticut; Carrollton, Georgia; Somerset, New Jersey; and Sturbridge, Massachusetts, as well as in Denmark, Germany and Russia.

For more information, please visit www.ofsoptics.com.

About OFS, Specialty Photonics Division

OFS, Specialty Photonics Division, is the industry leader in optical fiber design or modification for highly specialized or customized applications. It supplies advanced optical fibers, including specialty multimode, specialty single-mode, rare-earth doped, polarization-maintaining and other nonstandard fibers. It also manufactures specialty cables and connectors, and other specialty products, such as high-power laser components. For more information about the Specialty Photonics Division, please visit: www.SpecialtyPhotonics.com

PR Contacts:

Julie Rodriguez, Marketing Communications Supervisor
OFS, Specialty Photonics Division
(860) 678-6531

js162@ofsoptics.com