



## News Release

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### **OFS INTRODUCES TRUEWAVE® HD FIBER FOR MEDIUM AND LONG HAUL OCEAN SYSTEMS**

*A Paradigm Shift in Network Design Helping to Lower Total System Cost and Increasing Performance*

**OFC/ NFOEC 2011, Booth 2019, Los Angeles, California, March 8, 2011** - OFS, designer, manufacturer and supplier of leading edge fiber optic network products, today introduced TrueWave® HD ocean fiber, featuring high negative dispersion for improved non-linearity performance in transoceanic applications. Used in conjunction with existing OFS ocean fibers, TrueWave HD fiber helps lower total system cost and simplifies network design. and cable repairs. TrueWave HD fiber also provides higher performance in terms of link distances and spectral efficiency.

TrueWave HD ocean fiber is designed for use in submarine cables engineered for long and medium haul ocean repeatered systems utilizing advanced modulation formats, e.g., RZ-DPSK, in dense wave division multiplexing (DWDM) systems. The fiber offers a large negative dispersion value of -14 ps/nm-km, taking advantage of the fact that newer modulation formats allow for larger values of accumulated dispersion without deleterious non-linear effects.

Non-linearity performance and lower span loss is optimized when the fiber is used in combination with the large positive dispersion and large effective area of a non dispersion-shifted fiber (such as OFS' AllWave® ZWP Ocean Fiber or UltraWave® SLA Ocean Fiber). In this configuration, TrueWave HD fiber can provide superior performance in a cost effective solution that is second only to slope-matched systems.

Like all OFS ocean fibers, TrueWave HD fiber can be colored and spliced to meet stringent cable requirements. Fibers are selected to meet customer specifications for number of fibers, colors, lengths, and transmission properties, and then assembled into sets. Final measurements help ensure customer specified performance for all fibers in the set.

## **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 includes 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](http://www.ofsoptics.com).

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**PR Contact:**

Sherry Salyer

OFS Public Relations

[shsalyer@ofsoptics.com](mailto:shsalyer@ofsoptics.com)

(770)798-4210