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News Release

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## **AIWAVE® FLEX ZWP FIBER FROM OFS, INDUSTRY'S FIRST BEND-INSENSITIVE ZERO WATER PEAK SINGLE-MODE FIBER**

### **-- 5 Times Better Bending Capability Than Conventional Fiber --**

**OFC Conference, Anaheim, CA, Booth 1513, March 6, 2006** – OFS has introduced AllWave® FLEX ZWP single-mode fiber, the first Zero Water Peak G.652D fiber to offer outstanding bend performance for Fiber-to-the-Home (FTTH), enterprise networks, or any application where small bend diameters may be encountered.

AllWave FLEX ZWP fiber maintains very low bending loss across the full usable spectrum of wavelengths from 1260 to 1625 nm. It can be coiled into a 20 mm loop with < 0.5 dB incurred loss at 1625 nm and < 0.2 dB incurred loss at 1550 nm – five times better bending performance than conventional single-mode fibers. AllWave FLEX ZWP fiber also helps improve cable performance in demanding high-stress and low-temperature environments by providing double the microbending performance of conventional single-mode fibers.

AllWave FLEX fiber retains the performance benefits of OFS' AllWave Zero Water Peak fiber, the first fiber to eliminate the water peak defect found in conventional single-mode fiber. AllWave FLEX ZWP fiber has stable and permanent low loss, due to OFS' patented ZWP fiber manufacturing process, which eliminates hydrogen-aging defects. Fully compliant with ITU-T G.652.D, it exhibits unsurpassed geometry control for the lowest splice and connector loss, as well as ultra-low and stable Polarization Mode Dispersion (PMD) for maximum reach and bandwidth. It is fully compatible with AllWave ZWP fiber and other conventional single-mode fiber types.

The macrobending and microbending loss improvements of AllWave FLEX ZWP fiber offer a number of advantages for demanding access, enterprise and central office applications. The new fiber protects the network against excessive loss resulting from inadvertent fiber bends. It is less susceptible to physical disturbances from cable flexing, pulling and crushing, as

well as to bending due to routing within enclosures and cabinets. AllWave FLEX ZWP fiber enables more compact cabinet and enclosure designs – an important advantage in FTTH applications. For high bandwidth applications, such as 10 Gb/s and 40 Gb/s wavelength division multiplexing, AllWave FLEX fiber dramatically improves reliability related to system outages caused by fiber bend sensitivity that can threaten service in networks operating at longer wavelengths such as 1550 nm or 1625 nm.

## **About OFS**

OFS is a world-leading designer, manufacturer and provider of optical fiber, optical fiber cable, connectivity, FTTx and specialty photonics solutions. Our marketing, sales, manufacturing and research teams provide forward-looking, innovative products and solutions in areas including Telecommunications, Medicine, Industrial Automation, Sensing, Government, Aerospace and Defense applications. We provide reliable, cost effective optical solutions to enable our customers to meet the needs of today's and tomorrow's digital and energy consumers and businesses.

OFS' corporate lineage dates back to 1876 and includes technology powerhouses such as AT&T and Lucent Technologies. Today, OFS is owned by Furukawa Electric, a multi-billion dollar global leader in optical communications.

For more information, please visit [www.ofsoptics.com](http://www.ofsoptics.com).

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