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Your Optical Fiber Solutions Partner™

News Release

OFS INTRODUCES ALLWAVE® ONE OPTICAL FIBER

*Optimized Bending with Low Loss— All in One Fiber
for FTTx, Metro, Backhaul and Long Haul Applications*

OFC/ NFOEC 2014, Booth 4153, San Francisco, California, March 11, 2014 - OFS, a leading designer, manufacturer and supplier of innovative fiber optic network products and solutions, introduces AllWave® One Zero Water Peak (ZWP) Single-Mode Optical fiber, a full-spectrum fiber that bends to network demands while lowering attenuation across the optical spectrum to help reduce overall costs and improve network reliability.

AllWave® One fiber improves performance for optical transmission systems operating over any part of the wavelength range from 1260 nm to 1625 nm compared to conventional ITU-T G.652.D fiber. AllWave One fiber offers exceptional performance and benefits beyond the award winning AllWave fiber including a very low 0.18 dB/km attenuation specification at 1550 nm, a 40% smaller minimum bend radius, a 67% lower bend loss and a 33% improved polarization mode dispersion (PMD) link design value. Its bending performance is 33% better and attenuation performance is 15% better than AllWave+ fiber in the S-, C-, and L-bands. Like AllWave fiber and AllWave+ fiber, AllWave One fiber intermixes seamlessly with the installed base of single-mode fibers having a nominal mode field diameter of 9.2 micrometers enabling seamless splicing and faster testing and network turn-up.

“OFS developed and is offering AllWave One fiber in response to customer needs for supporting more FTTx, metro, backhaul, and long haul applications that use longer bend sensitive wavelengths in outside plant cables and that need extended reach,” says Pierre Marty, Vice President Global Marketing and Sales for OFS. “With its very low attenuation, lower bending loss, improved PMD performance and complete compatibility with conventional G.652.D fibers, AllWave One fiber offers dramatically improved performance in almost every characteristic over conventional single-mode fiber. The result is that AllWave

One fiber can help service providers reduce overall network costs, help make cables and enclosures smaller and easier to install, while helping to improve network reliability and performance.”

Designed and manufactured by OFS, AllWave One fiber provides reliable performance that is superior to both the ITU-T G.652.D and G.657.A1 Recommendations. With a composition of high purity synthetic silica throughout the core and cladding, AllWave One fiber has mechanical reliability and stable and permanent low loss. AllWave One fiber is manufactured using OFS’ patented ZWP fiber manufacturing process, which eliminates hydrogen-aging defects and provides a 50% increase in usable spectrum compared to G.652.A and G.652.B fiber. AllWave One fiber features OFS’ high performance D-Lux® Ultra Coating for excellent environmental protection and long-term reliability. This robust coating system protects the fiber, provides excellent microbend performance even at low temperatures, and can be easily removed for splicing and connectorization.

AllWave One fiber will be presented at the Optical Fiber Conference and Exposition to be held in San Francisco, March 9-13.

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.

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