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News Release

NEW BEND-OPTIMIZED FIBERS WITH 200-MICRON DIAMETER ENABLE SMALLER CABLES, HIGHER FIBRE COUNTS

Now Available in OFS' MiDia® 2FX Cables

London, United Kingdom, 19. February 2013 - OFS, a leading edge designer, manufacturer and supplier of innovative fiber optic network solutions, today announced the introduction of AllWave® *FLEX* and AllWave® *FLEX+* Bend-Optimized Single- Mode Fiber with a 200 μm coating for use in cables with higher fiber counts and in microcables where cable diameters must be minimized.



The fiber's bend-optimized design enables tight, low loss bends without risking fiber strength and long-term reliability. These fibers occupy 46 percent less area than conventional 250 μm coated fiber, enabling smaller diameter cables with a greater number of fibers per tube.

The new fibers with significantly increased fiber density enable OFS' new MiDia® 2FX Microcables, to minimize cabled diameters for use in today's congested duct networks. The MiDia 2FX cable range provides potential for system build cost reduction by increasing installation distance, reducing the number of installations and maximizing the use of congested and limited availability ducts.

MiDia 2FX Cable is being presented at the FTTH conference in London 20-21 February at OFS' Gold Sponsorship stand, G18, and is generally available now.

200 μm AllWave *FLEX* Fiber supports higher density and lower diameter cables, providing outstanding macrobend and microbend performance for access, Fiber-to-the-Home (FTTH), and enterprise networks, or any application where small bend diameters may be encountered. This ITU-T G.657.A1 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 diameter 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 and leading “low water peak” fibers.

200 μm AllWave *FLEX+* Fiber offers enhanced bend performance, ideally suited for in-building and connectivity applications, and full compatibility and compliance with the current installed base of conventional ITU-T G.652 single-mode fibers. It is an excellent choice for higher density cables for Access networks, high-density Fiber-to-the-Home (FTTH) applications, cell sites, enterprise networks, or any application where high fiber count lower diameter cable may be encountered. It meets and exceeds both ITU-T G.657-A2 and G.652.D recommendations and International Standard IEC 60793-2-50 specifications.

OFS maximizes the reliability of its bend-optimized single-mode fibers through the use of synthetic glass and our highly protective D-Lux® acrylate coating. This enables significantly smaller bend diameters with lower loss and improved fiber strength and long-term reliability.

These products retain all the performance benefits of OFS’ AllWave Zero Water Peak (ZWP) Fiber, the first fiber to eliminate the water peak defect found in conventional fiber, due to OFS’ patented ZWP fiber manufacturing process, which eliminates hydrogen-aging defects. Their ultra-low fiber Polarization Mode Dispersion (PMD) enables speed and distance upgrades.

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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