

OFS Expands Product Line With Introduction of TeraWave™ ULL Optical Fiber

New Optical Fiber Optimized for 400G and 1Tb Coherent Transmission

ECOC 2015, Valencia, Spain – 28. September, 2015 - OFS, a leading designer, manufacturer and supplier of innovative fiber optic network products is expanding its terrestrial long haul product line with the addition of TeraWave™ Ultra Low Loss (ULL) fiber, with 50% greater effective area than G.652.D fiber and ≤ 0.17 dB/km loss at 1550 nm. Aiming at the growing market for terabit transport, OFS' TeraWave ULL fiber offering is an ultra low loss version of the TeraWave fiber designed to improve the performance of long distance coherent systems. TeraWave fibers can enable greater transmission distances with more wavelengths than ITU-T G.652.D fibers, reducing the need for expensive signal regeneration.

“OFS has a long heritage of development and commercialization of optical fibers specially designed for submarine and long haul applications. Building upon this experience OFS is now offering our customers longer optical reach enabled by TeraWave ULL fiber, which can provide 50% farther reach than the best G.652.D fiber. This means fewer regeneration sites, which helps our customers save capital costs in building their terabit networks,” said Pierre Marty, Vice President Sales and Marketing for OFS.

OFS' G.654 terrestrial product line was launched with TeraWave singlemode fiber in April 2014 with low optical loss (less than 0.19 dB/km at 1550 nm) to improve the system power budget. With the introduction of TeraWave ULL fiber, the loss has been further reduced to 0.17 dB/km at 1550 nm.

TeraWave and TeraWave ULL fiber offer a combination of optimized effective area of 125 square microns, excellent cabling performance, and reduced attenuation compared to conventional ITU-T G.652.D single-mode fibers. These benefits improve coherent transport, including higher spectral efficiency at 100 Gb/s and improved regeneration distances at 400 Gb/s.

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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