

OFS Offers First Hollow-Core Fiber Cable for Low Latency Transmission

OFC 2020, San Diego, California, March 11, 2020 - OFS offers AccuCore HCF™ Optical Fiber Cable, the world's first terrestrial hollow-core fiber (HCF) cable solution. Light travels about 50% faster in a hollow core compared to a solid silica core of conventional optical fiber. Consequently, light transmitted in a hollow-core fiber arrives 1.54 microseconds faster for each kilometer traveled compared with conventional optical fiber.

The AccuCore HCF Optical Fiber Cable solution is based on proven hollow-core fiber technology and includes indoor/outdoor cable and termination with standard connectors, which are fusion-spliced to the patented photonic bandgap hollow-core fiber. OFS also offers installation services and both passive and active component selection to meet customer requirements. AccuCore HCF optical fiber cable has been successfully deployed, carrying live traffic in several networks.

"The AccuCore HCF optical fiber cable solution is designed for ease of use, thereby simplifying customer's access to this emerging technology," says Daryl Inniss, Director of OFS New Business Development. "OFS has been a pioneer developing hollow-core fiber for over ten years and applies its expertise in optical design, process development, and vertical integration to bring this cable solution to market."

The OFS latest HCF development will be presented as a postdeadline paper on March 12 at the Optical Fiber Communication Conference and Exhibition (OFC) 2020 held in San Diego. OFC postdeadline papers represent the latest and most advanced technical achievements in the field. The paper will report error-free transmission of direct-detection 10 Gb/s DWDM signals over 3.1 km of cascaded cabled HCF. This is the first time that transmission results in a cabled HCF have been reported.

For more information on these and other OFS products, visit <https://www.ofsoptics.com/accucore-hcf>.

About OFS

OFS is a world-leading designer, manufacturer and provider of optical fiber, fiber optic cable, connectivity, fiber-to-the-subscriber (FTTx) and specialty fiber optic products. We put our development and

manufacturing resources to work creating solutions for applications in such areas as telecommunications, medicine, industrial automation, sensing, aerospace, defense and energy. We provide reliable, cost-effective fiber optic solutions that help our customers meet the needs of consumers and businesses today and into the future.

Headquartered in Norcross (near Atlanta) Georgia, US., OFS is a global provider with facilities in China, Denmark, Germany, Morocco, Russia and the United States. OFS is part of Furukawa Electric Company, a multi-billion-dollar leader in optical communications.

Please visit www.ofsoptics.com.

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OFS Contact:

Sherry Salyer

Public Relations

shsalyer@ofsoptics.com

+1-770-798-4210