

Corning Introduces New SMF-28® Ultra Optical Fiber

The Associated Press

First to combine improved attenuation and bend performance in one single-mode fiber

CORNING, N.Y., March 18, 2013 - Corning Incorporated (NYSE: GLW) today announced its latest single-mode optical fiber innovation, Corning® SMF-28® Ultra fiber. This new, premium single-mode optical fiber is the first in the market to combine the benefits of industry-leading attenuation and improved macrobend performance in one fiber.

Designed for high performance across the range of long-haul, metro, access, and fiber-to-the-home (FTTH) network applications, this new optical fiber is fully backward compatible with the installed base of legacy single-mode optical fibers.

"SMF-28 Ultra fiber changes the game when it comes to choosing the right single-mode fiber for your network. Previously, network operators had to choose whether to improve the attenuation or macrobend performance but now they can have both," said Barry Linchuck, division vice president and director, Worldwide Marketing, Corning Optical Fiber. "This unique combination is made possible through revolutionary process innovations developed by Corning that deliver lower attenuation and improved macrobend performance with no design trade-offs."

The improved attenuation of SMF-28 Ultra fiber provides additional margin that can be used to extend spans, lengthen the distance between regenerators, increase the allowable number of cable-cuts, or allow for the broader use of pre-connectorized solutions.

The improved macrobend performance provides greater margins for bends that regularly occur in the field during installation and maintenance, and allows for the design and deployment of smaller and lighter cables which can improve duct utilization, enable smaller enclosures, or reduce pole/tower loading in aerial deployments. The macrobend performance is delivered with a 9.2 μm mode-field diameter, which is equivalent to the majority of standard single-mode fibers on the market today and allows for seamless integration into existing networks.

As the inventor of the first low-loss optical fiber more than 40 years ago, Corning's demonstrated leadership in optical fiber innovation is unparalleled. As is the case with Corning's entire family of SMF-28® fiber products, this new single-mode optical fiber is built on Corning's solid foundation of quality and proven long-term performance.

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