

News Release

FOR RELEASE – JUNE 3, 2021

Corning Introduces Revolutionary Fiber Designed to Accelerate Network Transformation to 5G, Cloud, and Beyond

Corning SMF-28[®] Contour optical fiber offers a first-of-its-kind combination of bend resilience, compatibility, and industry-leading low loss

CORNING, N.Y. — [Corning Incorporated](#) (NYSE:GLW) today introduced its latest innovation, Corning SMF-28[®] Contour optical fiber, to help telecommunications operators address the ever-expanding number of connected devices, build-out of 5G networks, and advances in cloud computing.

Networks perform at their best when errors are minimized during fiber installation and when existing infrastructure is used efficiently during upgrades. Corning engineered SMF-28 Contour fiber to meet those needs. This groundbreaking product will allow customers to seamlessly upgrade their optical infrastructures, enabling the cost-effective deployment of future-ready networks. The fiber offers:

- **Superior bendability** designed to reduce the impact of errors during installation and optimize reach in densely cabled environments where 5G networks are being deployed. SMF-28 Contour fiber is an ITU-T G.657.A2 fiber that has 10 times the macrobend resilience of G.652.D fibers and seven times the macrobend resilience of G.657.A1 fibers. The associated increase in microbend resilience enables dense, high-fiber-count cables needed to meet the demands of future high-capacity networks.
- **Exceptional compatibility** with legacy networks while providing superior bend protection, which can mean up to 50% faster installation by minimizing corrective splice-loss work. Other G.657.A2 fibers also provide bend protection but with a compromised, lower mode field diameter. SMF-28 Contour fiber does not compromise, providing both G.657.A2 bend protection and a matched 9.2-micron mode field diameter in the same product.
- **Wide spectrum and industry-leading low-loss transmission** across all the wavelengths that constitute the communication systems of today and tomorrow. First, SMF-28 Contour fiber's industry-leading low attenuation delivers 10% longer reach in all networks and up to 20% wider access-network coverage. Second, SMF-28 Contour fiber's bend loss protection enables up to twice the network reach in new long-wavelength fiber-to-the-home (FTTH) systems. Together, these features enable larger FTTH subscriber areas and greater revenue potential.

SMF-28 Contour fiber is available in a standard 242-micron configuration and a smaller 190-micron configuration. Smaller-diameter designs are increasingly important because while bandwidth demands have grown, the space available for network infrastructure has not. The 190-micron version of SMF-28 Contour fiber enables smaller cables with higher fiber counts – maximizing use of existing infrastructure.

“Corning’s revolutionary SMF-28 Contour optical fiber is the latest example of our ability to solve tough industry challenges,” said Dr. Bernhard Deutsch, vice president and general manager, Corning Optical Fiber and Cable. “Operators today are looking to deploy future-ready networks as efficiently as possible, often in densely cabled environments, and we’ve designed this new product to answer those needs. Fifty years after Corning scientists invented the first low-loss optical fiber, we’re proud to help drive a new era of industry growth and network transformation.”

Corning will highlight SMF-28 Contour fiber at the virtual Optical Fiber Communication Conference and Exhibition, held June 7 through 11. Visit the [SMF-28[®] Contour fiber product page](#) to view detailed technical specifications and see Corning’s [media resources page](#) for more information.

Caution Concerning Forward-Looking Statements

The statements contained in this release that are not historical facts or information and contain words such as “will,” “believe,” “anticipate,” “expect,” “intend,” “plan,” “seek,” “see,” “would,” and “target” and similar expressions are forward-looking statements. These forward-looking statements are made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995 and include estimates and assumptions related to economic, competitive and legislative developments. Such statements relate to future events that by their nature address matters that are, to different degrees, uncertain. These estimates are subject to change and uncertainty which are, in many instances, beyond our control. There can be no assurance that future developments will be in accordance with management’s expectations. Actual results could differ materially from those expected by us, depending on the outcome of various factors. We do not undertake to update forward-looking statements.

Although the Company believes that these forward-looking statements are based upon reasonable assumptions regarding, among other things, current estimates and forecasts, general economic conditions, its knowledge of its business, and key performance indicators that impact the Company, actual results could differ materially. The Company does not undertake to update forward-looking statements. Some of the risks, uncertainties and other factors that could cause actual results to differ materially from those expressed in or implied by the forward-looking statements include, but are not limited to: the duration and severity of the COVID-19 pandemic, and its ultimate impact across our businesses on demand, operations and our global supply chains; the effects of acquisitions, dispositions and other similar transactions; global business, financial, economic and political conditions; tariffs and import duties; currency fluctuations between the U.S. dollar and other currencies, primarily the Japanese yen, new Taiwan dollar, euro, Chinese yuan and South Korean won; product demand and industry capacity; competitive

products and pricing; availability and costs of critical components and materials; new product development and commercialization; order activity and demand from major customers; the amount and timing of our cash flows and earnings and other conditions, which may affect our ability to pay our quarterly dividend at the planned level or to repurchase shares at planned levels; possible disruption in commercial activities due to terrorist activity, cyber-attack, armed conflict, political or financial instability, natural disasters, or major health concerns; loss of intellectual property due to theft, cyber-attack, or disruption to our information technology infrastructure; unanticipated disruption to equipment, facilities, IT systems or operations; effect of regulatory and legal developments; ability to pace capital spending to anticipated levels of customer demand; rate of technology change; ability to enforce patents and protect intellectual property and trade secrets; adverse litigation; product and components performance issues; retention of key personnel; customer ability, most notably in the Display Technologies segment, to maintain profitable operations and obtain financing to fund ongoing operations and manufacturing expansions and pay receivables when due; loss of significant customers; changes in tax laws and regulations; the impacts of audits by taxing authorities; the potential impact of legislation, government regulations, and other government action and investigations; and other risks detailed in Corning's SEC filings.

For a complete listing of risks and other factors, please reference the risk factors and forward-looking statements described in our annual reports on Form 10-K and quarterly reports on Form 10-Q.

Web Disclosure

In accordance with guidance provided by the SEC regarding the use of company websites and social media channels to disclose material information, Corning Incorporated ("Corning") wishes to notify investors, media, and other interested parties that it uses its website (<https://www.corning.com/worldwide/en/about-us/news-events.html>) to publish important information about the company, including information that may be deemed material to investors, or supplemental to information contained in this or other press releases. The list of websites and social media channels that the company uses may be updated on Corning's media and website from time to time. Corning encourages investors, media, and other interested parties to review the information Corning may publish through its website and social media channels as described above, in addition to the company's SEC filings, press releases, conference calls, and webcasts.

About Corning Incorporated

Corning (www.corning.com) is one of the world's leading innovators in materials science, with a 170-year track record of life-changing inventions. Corning applies its unparalleled expertise in glass science, ceramic science, and optical physics along with its deep manufacturing and engineering capabilities to develop category-defining products that transform industries and enhance people's lives. Corning succeeds through sustained investment in RD&E, a unique combination of material and process innovation, and deep, trust-based relationships with customers who are global leaders in their industries. Corning's capabilities are versatile and synergistic, which allows the company to evolve to meet changing market needs, while also helping our customers capture new opportunities in dynamic industries. Today, Corning's

markets include optical communications, mobile consumer electronics, display, automotive, and life sciences.

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