Transforming Manufacturing Connectivity

AI, IoT, and robotics will shape tomorrow's industrial networks

Industry 4.0 needs fiber

Representing a significant leap in industrial capability, Industry 4.0 integrates advanced technologies to create highly efficient, automated systems. For manufacturers, this rapidly evolving connectivity landscape demands robust infrastructure capable of handling surging data volumes quickly and reliably. More than just connectivity, fiber optics are **the backbone of a new industrial age.**

Future-Ready: Reliable connectivity and sustainable network infrastructure support increasing reliance on digital technologies.

Resilience in Harsh Environments: Withstands the rigors of clean rooms and harsh industrial settings while ensuring the security and minimal disruptions required by facilities like semiconductor FABs or battery plants.

High Bandwidth and Low Latency: Enables rapid, seamless data transfer crucial for real-time monitoring and control at smart factories.

Sustainability and Scalability: Greater flexibility and energy efficiency than traditional copper cables allowing operations upgrades without overhauling network infrastructure.

Reduced Maintenance Cost: Longer life span and less susceptible to interference and degradation for less maintenance and lower operational costs over time.

Corning's advanced fiber optics technology is an essential driver for Industry 4.0

We offer unparalleled connectivity to support the high bandwidth and low latency demands of smart manufacturing processes, where precision and data management are critical.

Core LAN & Harsh FAN

Available, Compatible, Reliable

Local Area and Factory Area Networks
Fiber Cable, Hardware, Connectivity

Long-Reach & Optical LAN

Data & Power Beyond 600 Meters

ActiFi® Hybrid Cable, Corning Intelligent Power, 10G HPoE Fiber Media Converters

Campus & Utility Networks

Industrial Grade, Ruggedized

Outside Plant, LSZH™, Tray Grade, Mining & Petrochemical, and Rodent Resistant Cables Below and Above-Grade Fiber Closures

Pre-Term & Microcables

Reduce Time, Labor, Disruption

Ruggedized, durable, IP68-rated Pushlok® and Evolv® Terminals, MiniXtend® MicroCables

Data Center

Reliable, Scalable, Manageable

EDGE8®, EDGE™ and EDGE Rapid Connect

Corning and Nokia Partnership

Corning and Nokia's end-to-end collaborative solution adds Nokia's active elements to Corning's passive solutions.
For more information, visit: Network Solutions Guide for the Enterprise with Nokia

To learn more about Corning's high-performance solutions for Industry 4.0, visit
www.corning.com/in-building-networks/emea/en/home/verticals/manufacturing.html

CORNING

Corning Optical Communications GmbH & Co. KG • Leipziger Strasse 121 • 10117 Berlin, GERMANY
+00 800 2676 4641 • FAX: +49 30 5303 2335 • www.corning.com/opcomm/emea

Corning Optical Communications reserves the right to improve, enhance, and modify the features and specifications of Corning Optical Communications products without prior notification.
A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/trademarks. All other trademarks are the properties of their respective owners.
Corning Optical Communications is ISO 9001 certified. © 2024, 2026 Corning Optical Communications. All rights reserved. LAN-3316-A4-BEN / March 2026