

A Big Step Forward for the Circular Economy: Nexans Unveils a Cable Made with 100% Recycled Materials

PRESS RELEASE

- Nexans developed an all-new cable prototype using 99.5% recycled content.
- This prototype underpins Nexans ambition to integrate 25% of recycled copper in its cables by 2028.
- The innovation combines technical performance, industrial feasibility and reduced environmental footprint

Paris, July 21, 2025 – Nexans has reached a major milestone in its sustainability journey by developing a prototype cable made entirely from recycled materials — a first in the company's history. This innovation combines technical performance, industrial feasibility, and a drastically reduced environmental footprint, marking a decisive step forward in circular economy.

A cross-continental success story

The prototype has been conceived thanks to the efforts of worldwide Nexans's technical teams. The wire drawing was carried out by our Nexans teams in Yanggu, China. The materials department was responsible for extruding the prototype in France and the assembly of the 3G2.5 was then carried out by the Technocenter Building laboratory in AmpaCity, Lyon.

The record prototype includes 100% recycled copper, sourced from a trusted partner in China, along with recycled polyethylene and PVC from Nexans' European suppliers.

A record-breaking environmental performance

The prototype - nicknamed the "record cable" - was compared to a standard cable of the same category made with virgin materials. The analysis covered the entire life cycle from raw material extraction to cable use. The results:

- A 76% reduction in greenhouse gas emissions during the manufacturing phase
- Significant improvements across other sustainability indicators, including resource depletion and freshwater use.

This innovation demonstrates the technical feasibility of incorporating 100% recycled materials while maintaining the same level of quality and safety as a cable made from virgin materials. *"This prototype shows that industrial innovation and environmental responsibility can go hand in hand. It's a major step toward a more sustainable electrification,"* says Jérôme Fournier, Corporate Vice President of Innovation

Driving the future of circularity in cables

This innovation supports Nexans ambition to integrate 25% of recycled copper into its cable production by 2028. It's a bold example of the Group commitment to a circular economy, which plays a central role in its sustainability roadmap. By rethinking the entire cable lifecycle – from materials to manufacturing – Nexans is reducing its carbon footprint and helping preserve natural resources, without compromising quality or safety.

About Nexans

For over a century, Nexans has played a crucial role in the electrification of the planet and is committed to electrifying the future. With approximately 28,500 people in 41 countries, the Group is paving the way to a new world of safe, sustainable and decarbonized electricity that is accessible to everyone. In 2024, Nexans generated €7.1 billion in standard sales. The Group is a leader in the design and manufacturing of cable systems and services across four main business areas: PWR-Transmission, PWR-Grid, PWR-Connect and Industry & Solutions. Nexans was the first company in its industry to create a Foundation supporting sustainable initiatives, bringing access to energy to disadvantaged communities worldwide. The Group is recognized as a global leader on climate action and has committed to Net-Zero emissions by 2050 aligned with the Science Based Targets initiative (SBTi).

Nexans. *Electrify the Future.*

Nexans is listed on Euronext Paris, compartment A.
For more information, please visit www.nexans.com

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