

Prysmian's Sirocco Cables Exceed 50 Year Expected Lifetime Promoting More Sustainable Approach to Resource Management

Milan, March 19, 2024 – Prysmian, leader in the energy transition and digital transformation, today announced the results of new and rigorous long-term aging testing on the Sirocco family of cables, proving expected lifetime of more than 50 years, allowing operators to calculate the life cycle analysis of their networks over an extended period.

Optical cables have been deployed for decades, and fiber and cable technology is continually evolving. Telecom networks are expected to be robust to environmental stresses over decades with optical fiber protection at the heart of network reliability. Besides providing mechanical protection, the optical coatings and cable materials must remain stable across the cable's deployed lifetime, regardless of the environmental conditions.

As an industry leader in cable design and reliability, Prysmian has performed long-term aging and lifetime certification of Sirocco^{HD} and Sirocco^{EXTREME} microduct cables and the fibers contained inside to simulate a cable lifetime of at least 50 years under dry and wet aging conditions. The data demonstrates that after lifetime simulation, optical fiber attenuation, as well as cable performance and material properties, remain unchanged and can meet industry specifications set for newly manufactured cables.

"Prysmian's Sirocco HD and Extreme cables are already well known as highly sustainable and extremely efficient solutions. Due to their extra-compact size and extreme fiber density, they're easily deployable, make the most of limited duct space, require fewer raw materials and reduce transportation costs," said Ian Griffiths, Global R&D VP, Digital Solutions at Prysmian. "Now, after optimization of the optical fiber and materials, and rigorous testing, Sirocco cables have an expected lifetime of more than 50 years, without any compromise on performance during that time."

"With the completion of this testing, it is now possible for operators to calculate the lifecycle analysis of their networks over a much longer period of time – more than 50 years," said Frederick Persson, Executive Vice President Digital Solutions at Prysmian. "This contributes to minimizing waste and promoting a more sustainable approach to resource management, and will be critical for creating the long-lasting, high-performing networks of the future."

To access the white paper and test report visit <https://www.prysmian.com/en/sirocco-white-paper>.

Prysmian North America

Based in Highland Heights, Ky., Prysmian North America is a benchmark player in the energy transition and digital transformation. Prysmian's strategy is perfectly aligned with the main market drivers by developing resilient, high-performing, sustainable, and innovative cable systems for the transmission, power grid, electricity and digital solutions segments. Prysmian's North American operations include 28 manufacturing facilities, eight distribution centers, six R&D centers and more than 6,000 associates with net sales of \$6 billion. Additional information is available at na.prysmian.com.

Globally, Prysmian is the largest cable solutions provider in the world, with 30,000 employees, 108 production plants and 26 R&D centers in over 50 countries. In 2022, global sales exceeded €16 billion.

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