

PRESS RELEASE

PRYSMIAN'S SIROCCO CABLES EXPECTED LIFETIME GREATER THAN 50 YEARS**THIS RESULT CONTRIBUTES TO PROMOTING A MORE SUSTAINABLE APPROACH TO RESOURCE MANAGEMENT**

Milan, March 19, 2024 – Prysmian, leader in the energy transition and digital transformation, announces results of new and rigorous long-term ageing 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 now been deployed for decades, with fibre and cable technology continually evolving, and telecom networks are expected to be robust to environmental stresses over a lifetime of many decades with protection provided to the optical fibres at the heart of the network reliability. Besides providing mechanical protection, the optical coatings and cable materials must themselves remain stable across the cable's deployment lifetime, whatever the environmental conditions.

As part of the continuing industry leadership in cable design and reliability, Prysmian has performed long-term aging and lifetime certification of Sirocco^{HD} and Sirocco^{EXTREME} microduct cables and the fibres contained therein in order to simulate a cable lifetime of at least 50 years under dry and wet aging conditions. The data demonstrates that after lifetime simulation, optical fibre 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 fibre density, they're easily deployable, make the most of limited duct space, require fewer raw materials and reduce transportation costs." states Ian Griffiths, Global R&D VP, Digital Solutions at Prysmian. "Now, after optimisation of the optical fibre 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." adds 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 click on this [link](#).

Prysmian

Prysmian is a global cable solutions provider leading the energy transition and digital transformation. By leveraging its wide geographical footprint and extensive product range, its track record of technological leadership and innovation, and a strong customer base, the company is well-placed to capitalise on its leading positions and win in new, growing markets. Prysmian's business strategy perfectly matches key market drivers by developing resilient, high-performing, sustainable and innovative cable solutions in the segments of Transmission, Power Grid, Electrification and Digital Solutions. Prysmian is a public company listed on the Italian Stock Exchange, with almost 150 years of experience, about 30,000 employees, 108 plants and 26 R&D centres in over 50 countries, and sales of over €15 billion in 2023.

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