

PRESS RELEASE

PRYSMIAN LAUNCHES INNOVATIVE BREAKTHROUGH WITH SIROCCO EXTREME 864 FIBRES**PRYSMIAN EXTENDS SIROCCO EXTREME 180µm CABLE RANGE TO PRODUCE THE WORLD'S DENSEST OPTICAL CABLE**

Milan, 12 February 2024 – Prysmian, world leader in the energy and telecom cable systems industry, announces the launch of its revolutionary Sirocco Extreme 864f microduct cable, setting a new standard for innovation in the field. This groundbreaking cable showcases world-record diameters and fibre densities for blown microduct cables.

Sirocco Extreme 864f microduct cable features an impressive 864 fibres within a 9.8mm diameter, providing an unparalleled fibre density of 11.5 fibres per mm². It is installable into a 12mm duct, pushing the boundaries of what is possible in the telecom cable systems industry. Prysmian's Sirocco Extreme microduct cables employ the state-of-the-art BendBright^{XS} 180µm single-mode (ITU-T G.657.D, G.657.A2) bend-insensitive fibre, ensuring compatibility with existing G.652 fibres and readiness for evolved systems.

"Microduct cables have become a popular choice for future-fit applications, such as long haul Datacentre interconnection, metro and FTTx networks. They enable rapid deployment and provide future proof scalability, and their small footprint also provides sustainability benefits, due to the use of less raw materials. Sirocco Extreme microduct cables offer the best available dimensions on the market as they utilize Prysmian's BendBright^{XS} 180µm single-mode bend insensitive fibre, the only true 180µm fibre available on the market today." said Ian Griffiths, Global R&D VP, Telecom Business at Prysmian. "The extreme fibre count and reduced diameter of the Sirocco Extreme microduct cables make installation faster and more cost effective."

Available in fibre counts ranging from 96 to 864 and conforming to international standards for optical and mechanical performance, the Sirocco Extreme cables incorporate Prysmian's PicoTube technology, making them up to 25% smaller than previously available microduct cables. This makes it possible to install more fibres into congested duct space and enables the use of smaller ducts for new installations, resulting in lower installation costs and the use of less raw materials.

Prysmian's Sirocco Extreme microduct cables not only provide cost savings to telecom network owners and builders but also enable them to reduce carbon and environmental footprints. By offering reduced diameters and increased fibre densities, Prysmian goes beyond its value chain and continues to demonstrate its commitment to environmentally conscious solutions that avoid emissions.

The Sirocco Extreme product enhancements demonstrates Prysmian's dedication to responding to evolving market needs, offering a scalable solution that is high-density, physically compact, and easily deployable for future-fit solutions.

Prysmian

Prysmian is world leader in the energy and telecom cable systems industry. With almost 150 years of experience, sales of over €16 billion, about 30,000 employees in over 50 countries and 108 plants, the Group is strongly positioned in high-tech markets and offers the widest possible range of products, services, technologies and know-how. It operates in the businesses of underground and submarine cables and systems for power transmission and distribution, of special cables for applications in many different industries and of medium and low voltage cables for the construction and infrastructure sectors. For the telecommunications industry, the Group manufactures cables and accessories for voice, video and data transmission, offering a comprehensive range of optical fibres, optical and copper cables and connectivity systems. Prysmian is a public company, listed on the Italian Stock Exchange in the FTSE MIB index.

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