

TEIJIN

“The special properties of Twaron® make it a much better alternative to steel and e-glass.”

Pankaj Priyadarshi, Chief Commercial Officer at Sterlite Technologies

**Twaron®**

Aramids by Teijin

**Be sure.**

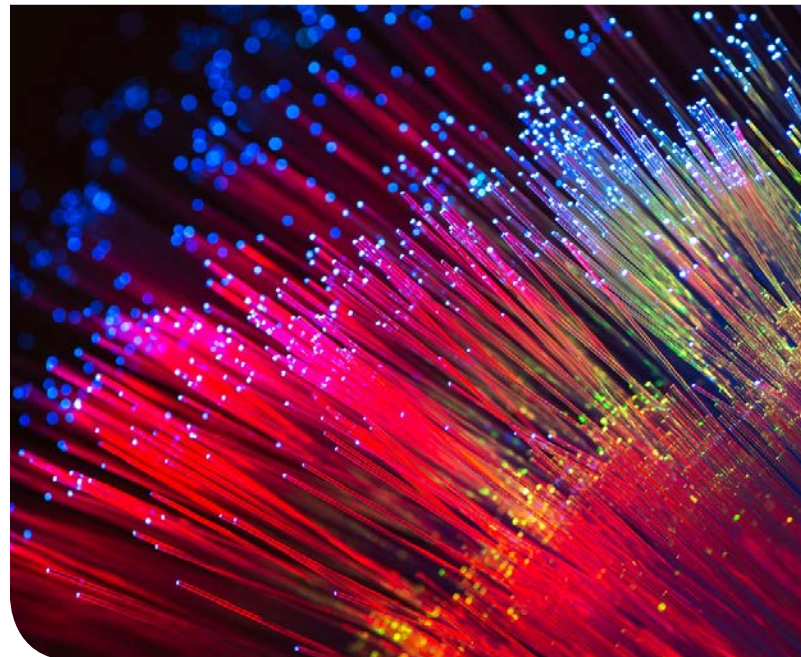
# Connecting the world with optical fiber

**Of all the diverse and innovative applications of para-aramid fiber, the optical fiber cable has the largest growth estimate for the coming years, with the OFC market expected to have a cumulative annual growth rate (CAGR) of 8.4% between 2014 and 2020. Telecommunication, and in particular the speed of telecommunication, is an area where fast-paced innovation is giving service providers a competitive edge and end users a better service.**

Since 1995, the Indian public company Sterlite Technologies has been manufacturing and exporting optical fiber cables, which have been reinforced with Teijin Aramid's Twaron® since 2012.

### **Tapping into a growth market**

Initially a manufacturer of copper cables, Sterlite Technologies was established in 1988 as a subsidiary of Sterlite Industries Limited, a diversified and integrated metals and mining group. With India's market undergoing fast liberalization and growth in the 1990s, Sterlite Technologies began to produce optical fiber cables to meet the growing customer demand of faster data transmission. In order to provide their customers with world-class data transmission solutions, the company has followed a continuous product innovation strategy over the past two decades. As an extension of this effort, in 2012, Sterlite integrated Twaron® into its optical fiber casing, increasing reliability and performance.

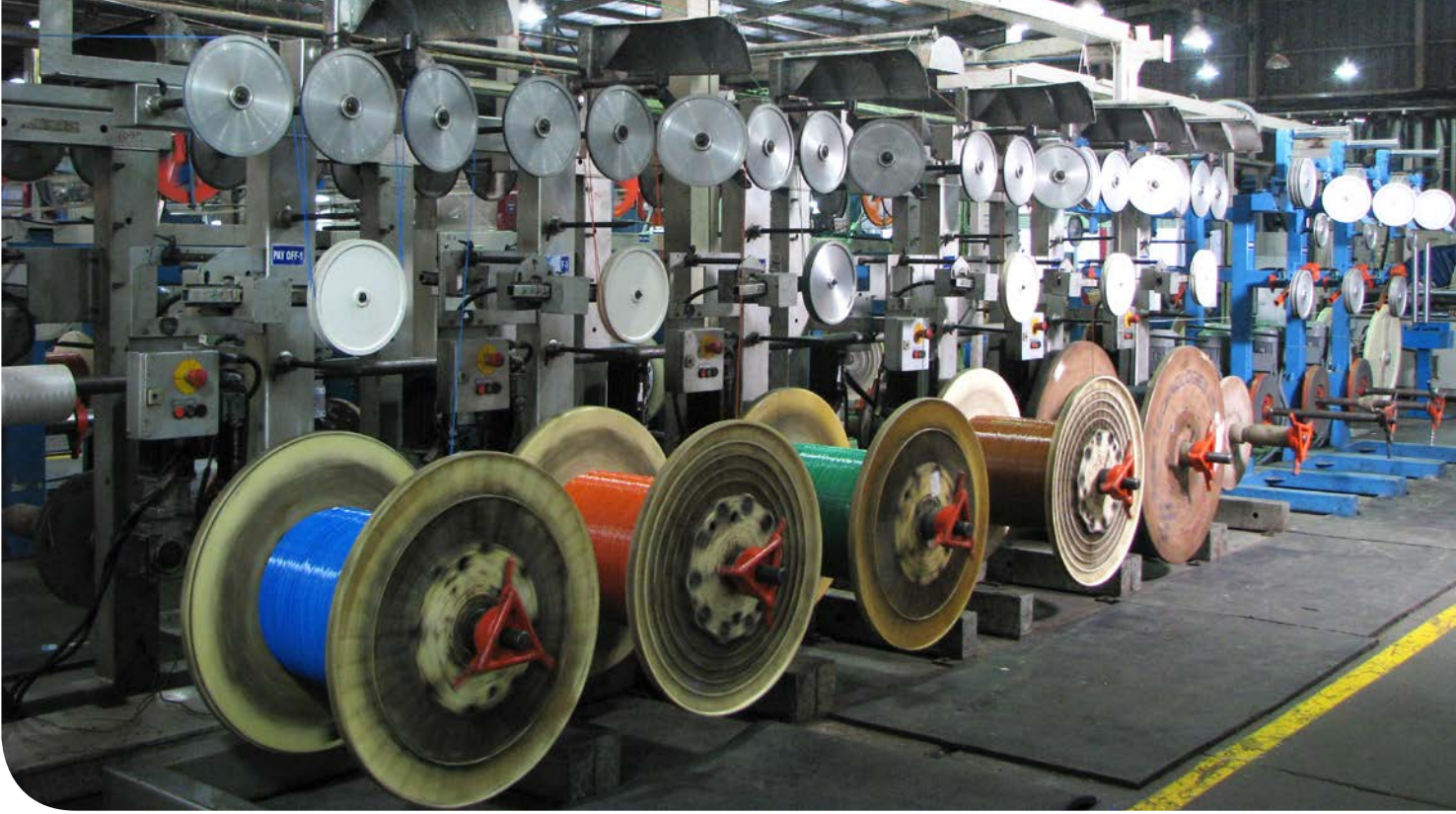


### **Key benefits of Twaron® for optical fiber cables:**

- > **Enables minimum diameters**
- > **Allows longer cable spans**
- > **Improves crush strength**
- > **Increases product lifetimes**
- > **Easy to integrate into production**

**Twaron®**





Having recently set up joint ventures in China (2012) and Brazil (2013), Sterlite Technologies is now present in ten countries, distributing products to most major telecommunication providers around the world.

“Twaron®’s strength-to-weight ratio makes it perfect for long aerial spans, because we can make the cables more dependable without adding much weight.”

### **Stronger means further**

With more data being transmitted over greater distances, networks require ever-larger numbers of cables, and smaller diameters are rapidly becoming essential. Furthermore, as a primary tool for both core and edge connections, today’s fiber optic cables need enhanced protection. “We want to keep adding more and more value for our customers, which is why we need a high-tensile, low-weight material to improve both

reliability and performance,” explains Pankaj Priyadarshi, Chief Commercial Officer at Sterlite Technologies. “Twaron®’s strength-to-weight ratio makes it perfect for long aerial spans, because we can make the cables more dependable without adding much weight. The Twaron® reinforcement also offers enhanced resistance to environmental hazards, such as storms, lightning strikes and earthquakes. All in all, Twaron®’s special properties make it a much better alternative to steel and e-glass.”

### **A bright future ahead**

With Sterlite Technologies growing its market share in many continents, it is likely that the collaboration between Teijin Aramid and Sterlite Technologies will grow further. “We appreciate Teijin Aramid’s work very much, and every aspect of their service has been exemplary,” says Pankaj. “The local office in India has been of great help, and they have provided us with much expertise and support. We appreciate Teijin’s flexibility in meeting our unique requirements, as well as their outstanding customer focus. The telecommunications business is expanding rapidly, and if we connect with good partners such as Teijin Aramid, we have a bright future ahead!”

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