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National Stock Exchange of India Limited

Exchange Plaza, 5th Floor,
Plot No. C-1, G Block,
Bandra Kurla Complex, Bandra (East)
Mumbai – 4000517

BSE Limited

Phirozee Jeejeebhoy Towers,
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Mumbai – 400001

Scrip ID - STLTECH

Scrip Code - 532374

Sub: - Press Release – STL launches the world’s slimmest IBR cable with 864F for hyperscalers in the United States

Dear Sir/Madam,

Sterlite Technologies Inc. (STI), a U.S. subsidiary of the Company announced that it has become one of the few companies to develop slimmest optical fiber for data center operators, hyperscalers and telecom service providers in the United States. A copy of press release in this regard is enclosed herewith.

Kindly take the above on record.

Thanking you.

Yours faithfully,
For **Sterlite Technologies Limited**

Mrunal Asawadekar
Company Secretary (ACS 24346)

Enclosure: As above

PRESS RELEASE

STL launches the world's slimmest IBR cable with 864F for hyperscalers in the United States

-864 fibres packed into a diameter of just 11.7 mm

Lugoff, South Carolina, 04/September/2025: Sterlite Technologies Inc. ([STI](#)), a U.S. subsidiary of [STL](#) [NSE: STLTECH], today announced that it has become one of the few companies to develop the world's slimmest optical fiber for data center operators, hyperscalers and telecom service providers in the United States. STL's **Celesta Intermittent Bonded Ribbon (IBR) Cable** provides best-in-class high fiber density that packs **864 fibres** in a cable diameter of only **11.7 mm, optimized for jetting in a 14mm inner diameter duct**. With a record jetting performance of ~4,700 ft (1500+ m) in under 20 minutes, this latest generation of IBR cable also employs STL's state-of-the-art bend-insensitive HD G.657.A2 200-micron fiber with industry-standard sheathing to deliver best-in-class installation performance for our customers in the United States.

Hyperscalers demand ultra-high-capacity, low-latency, and highly scalable network infrastructure to support massive data flows between distributed data centers and cloud environments. Their networks require cables that can maximize fiber count within available limited duct space, minimize installation time, and offer superior reliability under diverse environmental and operational conditions.

STL's **Celesta IBR Cable** combines robust performance for duct installations with the productivity of high-count mass fusion splicing. The innovative ribbon bond design results in dense fiber packing and a smaller cable diameter, offering an outstanding solution for demanding high-growth, high-bandwidth communications in applications like data centers, equipment connections within cabinets, and outside plant applications.

Data Center builders and hyperscalers can benefit from an 864F cable as it packs the maximum capacity in the available duct space. This **Celesta** cable meets ICEA 122-744 standards and is GR 20 compliant, and can be installed in a 14/18 mm micro subduct. The cable has been tested in an IEC-compliant track configuration.

STL's IBR cable portfolio spans from 12F to an industry-leading 6912F, and continues to expand. Over the past five years, STL has produced and delivered more than 10 million fkm to customers across Europe and the United States. STL was the first to introduce IBR technology in India, and with 10 manufacturing facilities in North America, Europe and Asia, STL is uniquely positioned to meet our customers' diverse global connectivity needs swiftly and at scale.

Speaking about this development, **Dr. Badri Gomatam, CTO, STL**, said, "*Our breakthrough Celesta IBR cable is a testament to STL's commitment to advanced engineering and customer-centric innovation. By delivering industry-leading fibre density and bend performance in a remarkably slim design, we're empowering hyperscalers and data centres to scale up efficiently and sustainably—laying the foundation for next-generation digital infrastructure.*"



About STI - Sterlite Technologies Inc.:

With its North American Headquarters and manufacturing facilities located in Lugoff, South Carolina, STI (a wholly-owned subsidiary of STL) is engaged in the design, manufacture and sale of world-class advanced optical fiber cable and connectivity products to its expanding customer base throughout North America.

Sterlite Technologies Ltd. (STL) is a leading global optical and digital solutions company providing advanced offerings to build 5G, Rural, FTTx, Enterprise and Data Centre networks. [Read more](#), [Contact us, stl.tech](#) | [Twitter](#) | [LinkedIn](#) | [YouTube](#)

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