



**October 2, 2022**

**National Stock Exchange of India Limited**

Exchange Plaza, 5<sup>th</sup> Floor,  
Plot No. C-1, G Block,  
Bandra Kurla Complex, Bandra (East)  
Mumbai - 400 051.

**BSE Limited**

Phirozee Jeejeebhoy Towers,  
Dalal Street,  
Mumbai - 400 001.

**Sub: - Press Release – STL launches Multiverse - India's first Multicore fibre and cable; aims to revolutionise the optical landscape**

**Ref: - Scrip ID - STLTECH/ Scrip Code – 532374**

Dear Sir/Madam,

The Company is pleased to announce that it has launched **India's first Multicore fibre and cable**. This breakthrough innovation will change the optical connectivity landscape of India.

A copy of the Company's Press Release in this behalf, is enclosed herewith.

Kindly take the above on record.

Thanking you.

Yours faithfully,

For **Sterlite Technologies Limited**

**Amit Deshpande**

Corporate General Counsel & Company Secretary (ACS 17551)

Enclosure: As above.

## PRESS RELEASE

# STL launches Multiverse - India's first Multicore fibre and cable; aims to revolutionise the optical landscape

*-Most advanced optical technology in India*

*-A game changer for 5G, Quantum Computing and Data Centre connectivity*

**New Delhi, 02 October, 2022:** [STL](#) [NSE: STLTECH], one of the industry's leading integrators of digital networks, today launched **India's first Multicore fibre and cable**. This breakthrough innovation will change the optical connectivity landscape of India.



This has been conceptualised and developed indigenously at STL's Centre of Excellence in Maharashtra with top interdisciplinary R&D experts. STL's Multiverse leverages Space Division Multiplexing to gain 4X transmission capacity per fibre, within the same diameter.

Speaking at the launch, Randeep Sekhon, CTO, Bharti Airtel, said: "I am excited to see this optical fibre innovation from a homegrown company. STL's Multiverse fibre and cable will enable 4X capacity and play a vital role in 5G scale-up. I wish STL all the very best for their

efforts towards supporting network build outs."

STL Multiverse offers features that can revolutionise connectivity for network builders:

- **High capacity per 5G cell site** - It's now possible to connect multiple radio heads through a single Multicore fibre and reduce the cabling footprint for 5G networks
- **Quad-core fibre connectivity in data centres** - Today most advanced fibre cables have ~7000 cores. This advancement takes it upto ~28000 cores, thereby powering connectivity for warehouse-scale computing
- **Quantum communication feasibility** - The growth of quantum communication is expected to support the co-existence of quantum communication and telecommunication channels. Multicore fibre offers exciting possibilities in this emerging area.
- **Carbon footprint reduction** - This *greenest-ever* optical fibre reduces cable surface area by ~75% and plastic in the ground by ~10%

**Commenting on the launch, Dr Badri Gomatam, CTO, STL, said,** "We have been doing deep research on optical fibre for over 15 years. In the last three years, we have been able to excel in



Multicore technology and indigenously developed this product. We are proud to be the first in India to launch this. STL's Multiverse will revolutionise 5G and data center connectivity, actualise quantum computing at scale and make the internet greener.”

**About STL - Sterlite Technologies Ltd:**

STL is an industry-leading integrator of digital networks that helps telcos, cloud companies, citizen networks and large enterprises deliver enhanced experiences to their customers. [Read more](#), [Contact us](#).

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