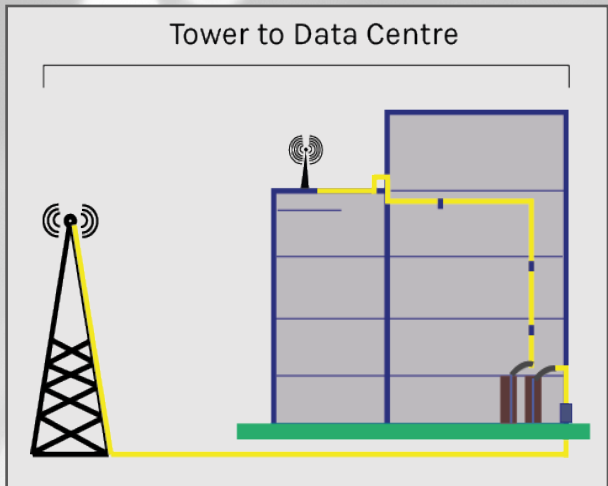

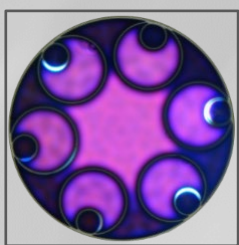


# HOLLOWCORE TRADESMART®

Lumenisity's Hollowcore TradeSmart® cable solutions are tailored for ultra low latency deployments with reaches from 10km-100km for situations where nano-seconds count. There is a RTT latency saving of 3µS per km, ideal for High Frequency Trading applications.



### Applications & Options

- 100% Backward compatible with existing network equipment and systems
- Optimised for low latency transmission formats including 10Gb/s NRZ
- DWDM Transmission over full C band @ 50GHz ITU grid spacing
- Field deployable cable using conventional fusion splicers and trained installers
- Riser and Loose Tube cable formats

## The Hollowcore TradeSmart® Advantage



Latency: Light travels in air core	Ultra high data capacity	Fully backwards compatible with conventional fibre installations
<ul style="list-style-type: none"> <li>- 50% faster data transfer than standard fibre</li> <li>- Covers 2.25x geographical area for given latency envelope</li> <li>- Up to 50% higher transaction rate</li> </ul>	<ul style="list-style-type: none"> <li>- 1000x reduction in nonlinearity - system degradation negligible</li> <li>- Higher launch power capability per DWDM wave =&gt; more channels</li> <li>- Increased amplifier spacing</li> <li>- 200nm continuous bandwidth</li> <li>- Multiwindow operation (next gen)</li> </ul>	<ul style="list-style-type: none"> <li>- Installable with existing equipment and installation contractors</li> </ul>

### About Lumenisity® Limited

Lumenisity was formed in February 2017 as a spin out from the University of Southampton to commercialise breakthroughs in the development of hollowcore optical fibre and currently has a strong and growing IP portfolio. Lumenisity use novel designs for fibre, cable and field installations when providing hollowcore cable solutions for high performance networks. The company is well funded by private investors and industrial end users and is currently building a full scale Fab and Test facility in Romsey, UK.

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