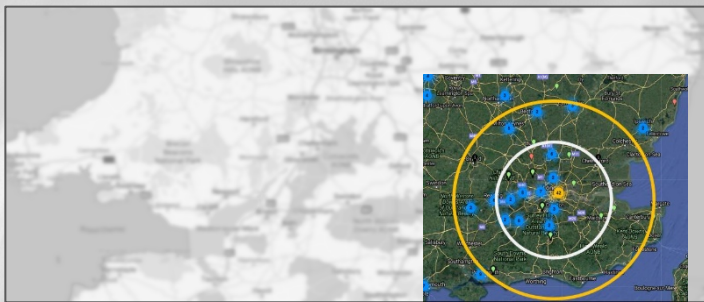
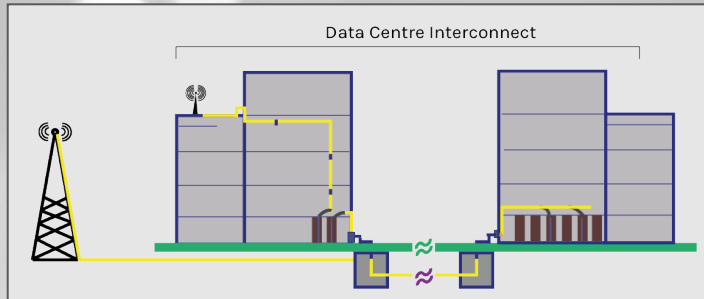


CORESMART[®]

Lumenisity's CoreSmart[®] cable solutions for latency sensitive Data Centre Interconnect (DCI) and 5G/Edge applications uniquely enable 50% range extension (versus conventional cable) between DC's at capacities up to 38.4Tb/s. Light travels 50% faster in CoreSmart cable providing new levels of network design capability and flexibility.



Applications & Options

- Reaches up to 90km with no ILAs
- 100% backward compatible with existing network equipment and systems
- Tested at capacities up to 38.4Tb/s over full C band at data rates up to 800Gb/s
- Compatible with 400ZR OIF format with capacities up to 25.6Tb/s
- Field deployable cable using conventional fusion splicers and trained installers
- Riser and Loose tube cable formats available

The CoreSmart[®] Advantage



Latency: Light travels in air core	Ultra high data capacity	Fully backwards compatible with conventional fibre installations
<ul style="list-style-type: none"> - 50% faster data transfer than standard fibre - Extends reach 1.5x for given latency envelope - Covers 2.25x geographical area for given latency envelope 	<ul style="list-style-type: none"> - 1000x reduction in nonlinearity => Nonlinear system degradation eliminated - Higher total launch power capability => potential for more capacity over distance - 200nm continuous bandwidth - Extended reach - increased advantage as HCF losses reduce 	<ul style="list-style-type: none"> - Field installable with commercially available equipment and Lumenisity trained installation contractors

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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