

See below extract at <http://aquind.co.uk/>

## Data Cable

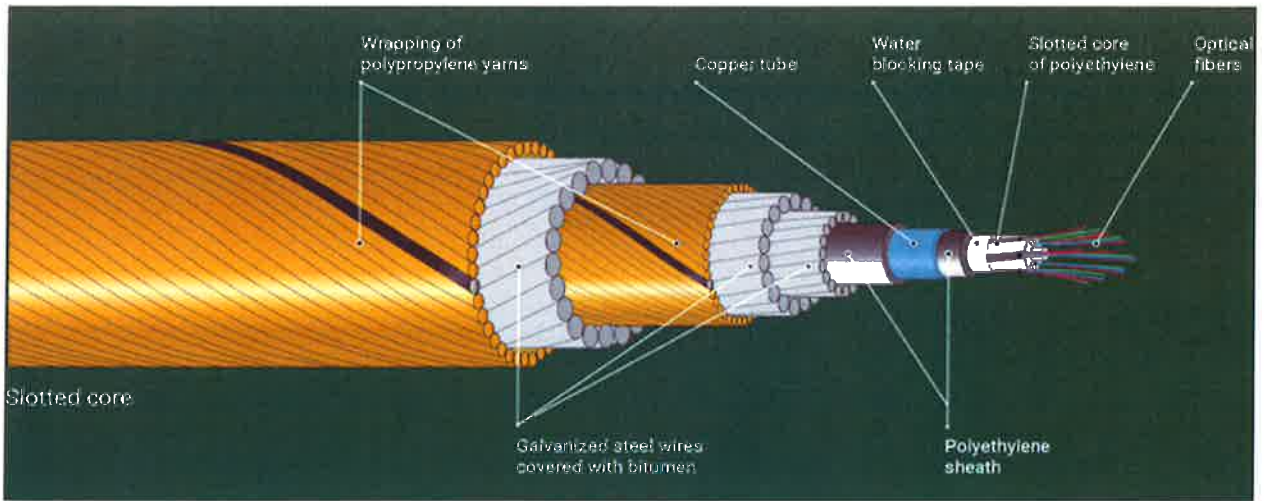
As part of the AQUIND Interconnector project, AQUIND will be deploying fibre optic infrastructure for protection and monitoring purposes. A fibre optic data transmission cable will be installed in a trench alongside and at the same time with each of the two power cable pairs both offshore and onshore. The spare data transmission capacity of such cables may be used to transfer data of third parties, providing further connectivity between France and England.

Demand for data transmission and, therefore, high-bandwidth, fast and reliable data transmission capacity is growing rapidly as services, technology and data uses continue to evolve. Meeting that demand is becoming increasingly important for economies and quality of life.

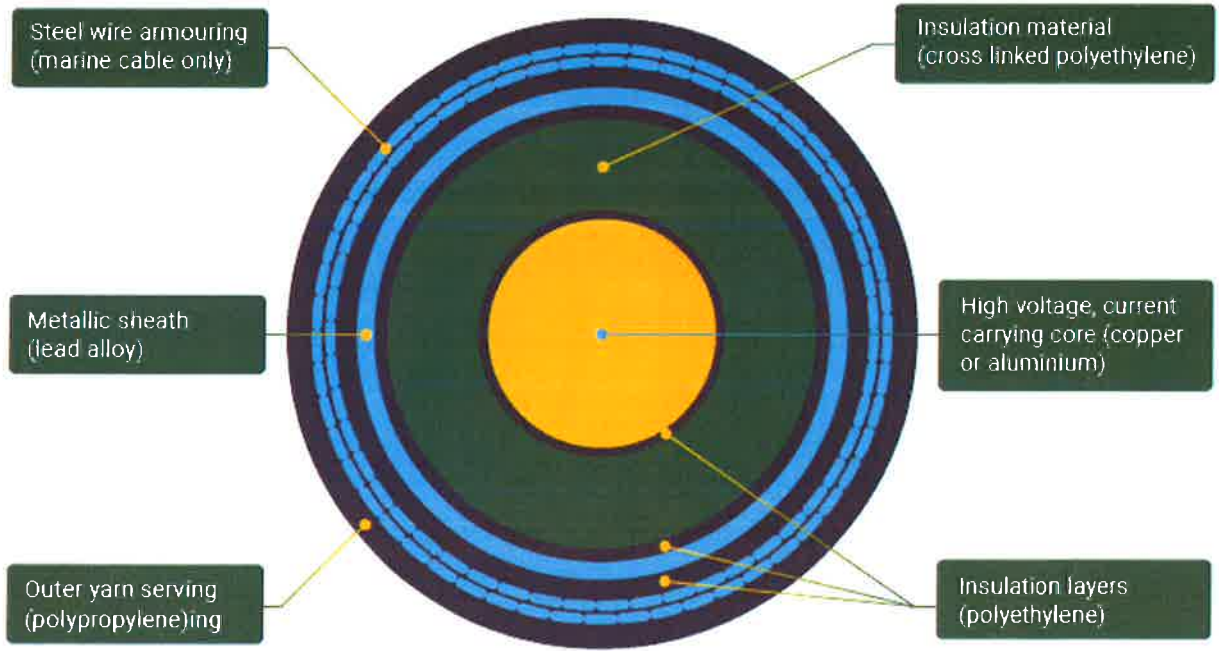
Using the latest subsea and optical technology, AQUIND will deliver high speed connectivity between England and France. Up to 180 "dark" fibres in each of the two data transmission cables may be available for third-party access enabling the high data transfer rates of up to 100 Gbps per fibre pair. The AQUIND fibre optic transmission link offers a shorter route than some of the existing systems, ensuring the low latency time of approximately 2.622 ms. The system will be capable of connecting the French and English shores without the need for amplification by subsea repeaters.

Installation in the same trench as the power cables and alongside them, together with separation of the two cable systems, ensure consistent protection against fishing and anchor damage as well as natural hazards.

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### HVDC Interconnector



Cross-section of a typical XLPE cable