

Jicable HVDC'16 Workshop Topic 4

HVDC Cable Systems

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Workshop Jicable HVDC'16, Friday, August 26, 2016 - Paris - France

Topic 4: Submarine HVDC links: state of the art of extruded and paper power insulated cables

Background: Viking Link is a new 1,4 GW, +/- 525 kV bipolar HVDC interconnector with a total length of 760 km being planned between Denmark and the UK with expected commissioning in 2022.

Key questions/issues : With a cable of this length a couple of questions/issues have been raised:

- Quality assurance; How to ensure that the high quality accomplished for the cable lengths that have been tested is maintained for more than 1500 km of cable produced over several years?
- Should more actions (like testing) be required to ensure a high level of quality through production of the whole cable length?
- How to do fault location on very long DC cables?

