

# Maritime Link Submarine Cables

## FACT SHEET



### Dimensions and Scope

At 170 km in length, these two cables will create the longest submarine electricity connection in North America. As part of the Maritime Link Project, they will provide an electricity connection between the island of Newfoundland and Nova Scotia for the very first time. These cables will also help form a new electrical energy loop in Atlantic Canada that will provide greater access to the North American electricity grid.

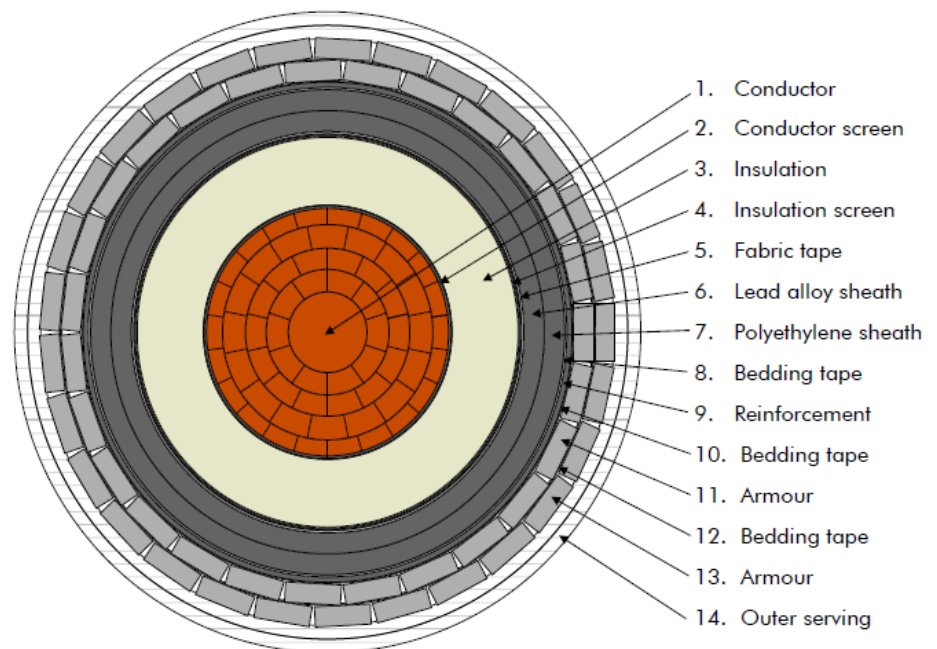
Each submarine cable is:

- 250 megawatts (+/- 200 kilovolts) high voltage direct current (HVdc).
- 170 km in length.
- 10 cm in diameter (similar in size to a two litre soft drink bottle).
- Approximately 5,500 tonnes; combined, the two cables weigh more than the Eiffel Tower.

### Cable Design

The cables are made up of 14 layers. The centerpiece is a copper conductor.

Each additional layer provides protection, making up about two thirds of the diameter of the cable.



### Manufacturing

- Nexans is the contractor responsible for the design, manufacturing and installation of the submarine cables.
- Manufactured at facilities in Futtsu, Japan and Halden, Norway, both cables successfully completed factory acceptance testing (FAT) in March 2017.
- Cable installation will begin in late April and is expected to be completed by the first week of September 2017.