

Submarine Cable Installation Process



Creation of temporary cofferdam (sheet pile supported excavation) to bring submarine cable ashore.



Submarine cable is fed through the plow, which will enter the water and travel along the seabed until making landfall on the opposite side of the water crossing.



As the plow travels along the seabed, it liquefies the soil ahead of the plow using water jets on the plow blade. The cable passes through the hollow plow blade and is buried approximately 6 feet below the seabed. The temporarily liquefied area almost immediately fills back in as the sediment naturally resettles.



The cable is fed through the plow from a vessel similar to the one pictured above.



Once the submarine cable is laid, it is then connected to an underground cable inside a manhole near the shore.



When the installation process is complete, the beach is restored back to its natural state with the new cable installed approximately 10 feet below the beach surface.